

SERVICE MANUAL

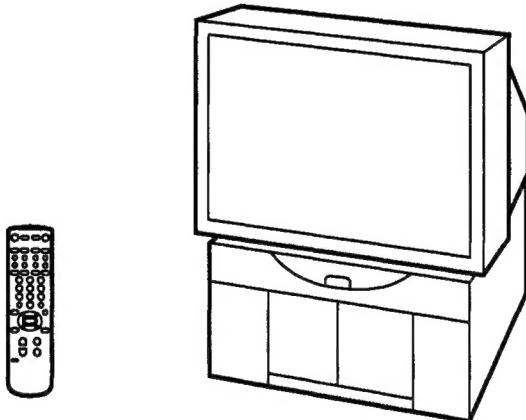
RA-1 CHASSIS

<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>	<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KP-46V35	RM-Y137	US	SCC-H53M-A				
KP-53V35	RM-Y137	US	SCC-H53N-A				
KP-53V35	RM-Y137	Canadian	SCC-H58L-A				
KP-61V35	RM-Y137	US	SCC-H53P-A				

Note :

1. Adjustment Manual for this model is separately published.

	Adjustment Manual
Part No.	9-965-106-01



COLOR REAR VIDEO PROJECTOR
SONY®

* Please file according to model size.

46 53 61

Specifications



Projection system	3 picture tubes, 3 lenses, horizontal in-line system	VIDEO OUT 3
Picture tube	7 inch high-brightness monochrome tubes (6.3 raster size), with optical coupling and liquidcooling system	VIDEO (phono jack): 1 Vp-p, 75 ohms unbalanced, sync negative
Projection lenses	High performance, large-diameter hybrid lens F1.0	AUDIO (phono jack): 500 mVrms (100% modulation), Impedance: 10 kilohms
Screen size (measured diagonally)	KP-46V35 46 inches KP-53V35 53 inches KP-61V35 61 inches	MONITOR OUT
		VIDEO (phono jack): 1 Vp-p, 75 ohms unbalanced, sync negative
Screen brightness	KP-46V35 1500 cd/m ² KP-53V35 1200 cd/m ² KP-61V35 1000 cd/m ²	AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance: 10 kilohms
Television system	American TV standards	AUDIO (VAR/FIX) OUT (phono jacks): 900 mVrms (100% modulation), Impedance: 5 kilohms
Channel coverage	VHF: 2-13/UHF: 14-69/ CATV: 1 - 125	
Antenna	75 ohm external antenna terminal for VHF/UHF	Speaker
Inputs/output	VIDEO IN 1 S VIDEO IN (4-pin mini DIN): Y: 1 Vp-p, 75-ohms unbalanced, sync negative C: 0.286 Vp-p (Burst signal), 75 ohms VIDEO (phono jack): 1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance : 47 kilohms VIDEO INPUT 2 and VIDEO IN 3 VIDEO (phono jacks): 1 Vp-p, 75-ohms unbalanced, sync negative AUDIO (phono jacks): 500 mVrms (100% modulation), Impedance: 47 kilohms	Full range speaker: 100 mm (3.9 inches) Subwoofer speaker: 130 mm (5.1 inches)
		Speaker output Front: 15 W × 2 Subwoofer: 40 W × 1
		Power requirement 120 V, 60 Hz
		Power consumption Max. 330 W
		Standby mode: 4 W
		Dimensions (W/H/D)
		Mass
	KP-46V35 1,066 × 1,336 × 698 mm (42 × 52 5/8 × 27 1/2 inches)	88 kg (193 lbs 10 oz)
	KP-53V35 1,218 × 1,442 × 698 mm (48 × 56 3/4 × 27 1/2 inches)	94 kg (207 lbs 1 oz)
	KP-61V35 1,338 × 1,619 × 774 mm (52 3/4 × 63 3/4 × 30 1/2 inches)	146 kg (321 lbs 7 oz)
		Supplied accessories
		Remote commander RM-Y137 (1) Size AA (R6) battery (2)
		Optional accessories
		U/V mixer EAC-66 Connecting cables RK-74A, VMC-810S/820S, YC-15V/30V, VMC-720M High-contrast protective screen SCN-46X1 (For KP-46V35) SCN-53X1 (For KP-53V35)

Design and specifications are subject to change without notice.

SAFETY CHECK-OUT

(US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the metal trim, metallized knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

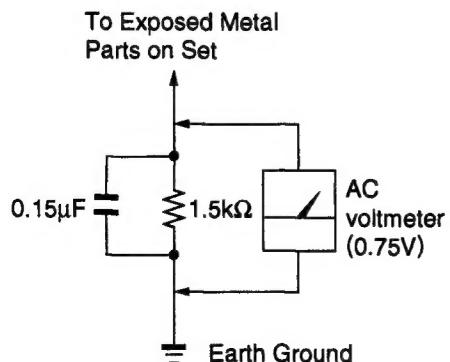


Fig. A. Using an AC voltmeter to check AC leakage.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A.)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

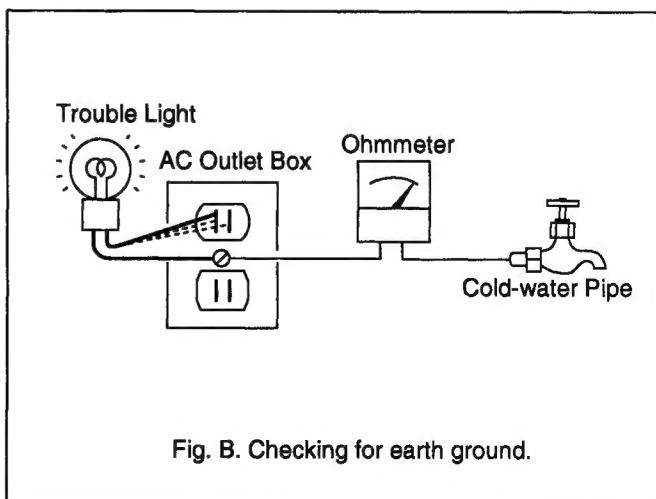


Fig. B. Checking for earth ground.

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(CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK Δ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

(ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE Δ SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES remplacer que par des composants Sony dont le numero de piece est indique dans le present manuel ou dans des supplement publies par Sony. Les reglages de circuit dont l'importance est critique pour la securite du fonctionnement sont identifies dans le present manuel. suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement est suspecte.

SECTION 1

GENERAL

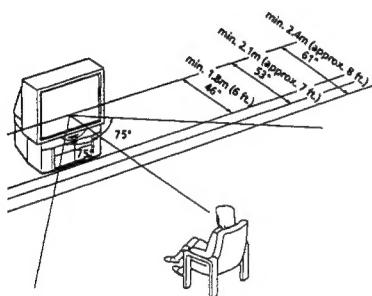
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

Getting Started

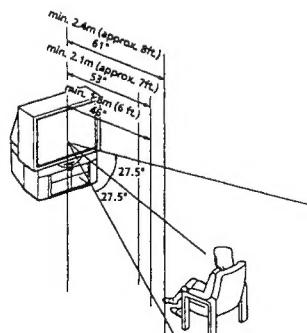
Step 1: Installing the projection TV

For the best picture quality, install the projection TV within the areas shown below.

Optimum viewing area (Horizontal)

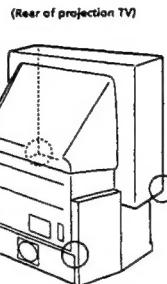


Optimum viewing area (Vertical)



Carrying your projection TV

Be sure to grasp the portions indicated when carrying the projection TV, and to use more than two people.



Preparing for your projection TV

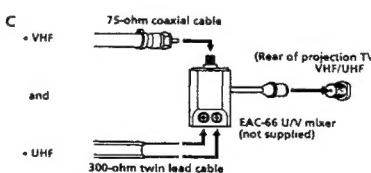
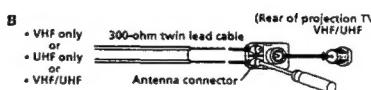
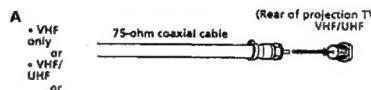
Before you use your projection TV, adjust convergence. For the procedure, see "Step 4: Setting up the projection TV automatically (AUTO SET UP)" on page 15.

Step 2: Connections

Although you can use either an indoor antenna or outdoor antenna with your projection TV, we recommend connecting to an outdoor antenna or a cable TV system for improved picture quality.

To an antenna

Connect your antenna cable to the VHF/UHF antenna terminal. If you cannot connect your antenna cable directly to the terminal, follow one of the instructions below depending on your cable type.

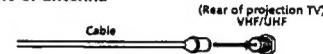


Notes

- Most VHF/UHF combination antennas have a signal splitter. Remove the splitter before attaching the appropriate connector.
- If you use the U/V mixer, snow and noise may appear in the picture when viewing cable TV channels over 37.

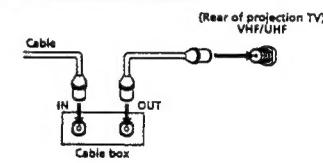
Connecting an antenna/cable TV system without a VCR

To cable or antenna

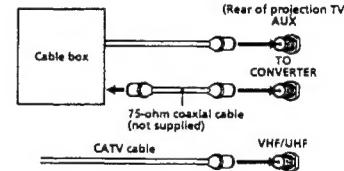


To cable box

If your cable company requires you to connect a cable box, make the connection as follows:



To cable box and cable



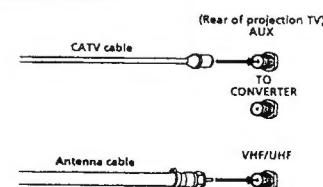
Pay cable TV systems use scrambled or encoded signals requiring the cable box* in addition to the normal cable connection.

* The cable box will be supplied by the cable company.

Note

- You cannot watch the signal through AUX connector as a window picture.

To cable and antenna



Note

- Do not connect anything to the TO CONVERTER connector in this case.

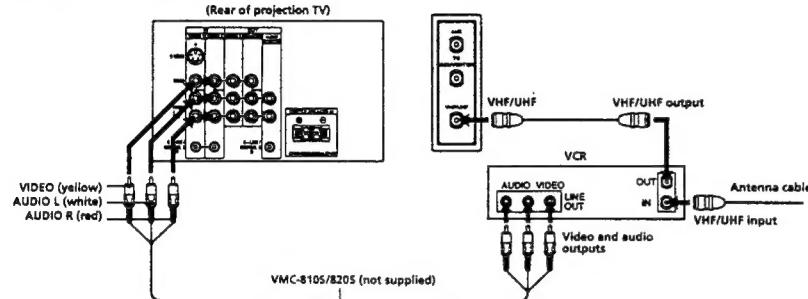
Connecting an antenna/cable TV system with a VCR

For details on connection, see the instruction manual of your VCR. Before connecting, disconnect the AC power cords of the equipment to be connected.

- After making these connections, you will be able to do the following:
- View the playback of video tapes
 - Record one TV program while viewing another program

To a conventional VCR

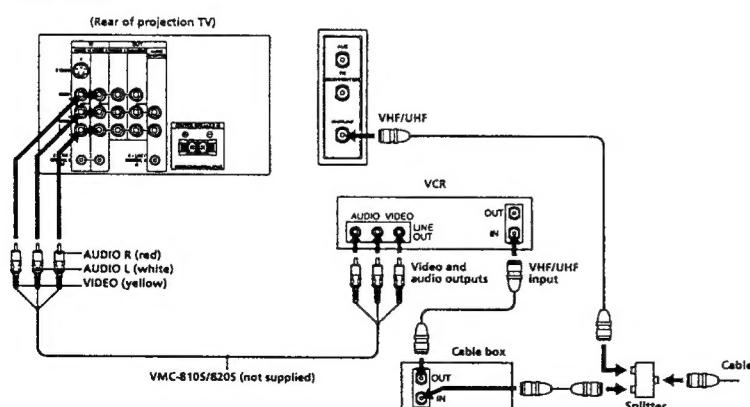
Without a cable box



Note

- To connect a monaural VCR, connect the audio output of the VCR to AUDIO L (MONO) of VIDEO 1/3 IN on the projection TV.
- Do not connect the cable to the S VIDEO connector on the projection TV.

With a cable box

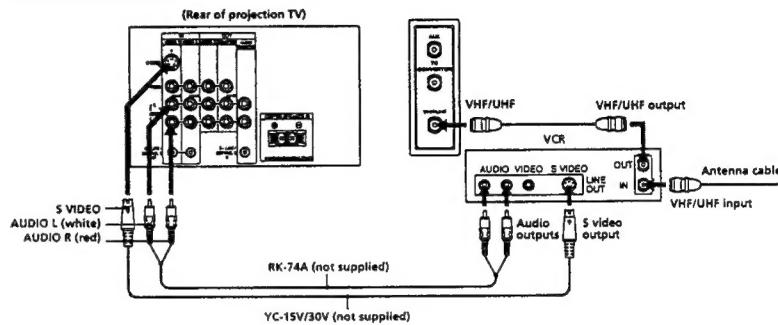


To an S video equipped VCR

If your VCR has an S video output jack, make the connection as follows.

Whenever you connect the cable to the S VIDEO connector, the projection TV automatically receives S video signals.

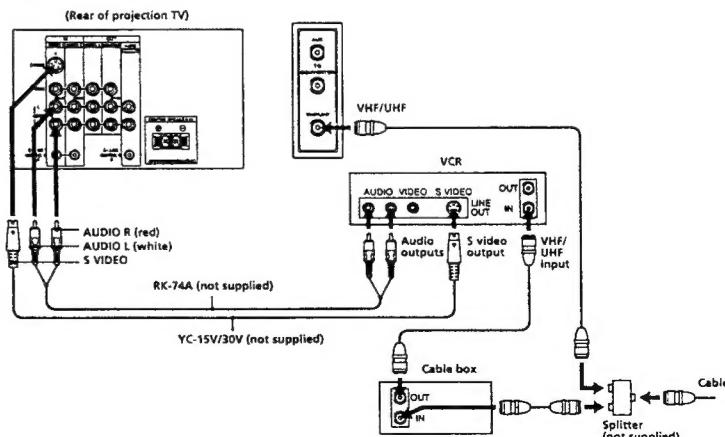
Without a cable box



Note

- Video signals are composed of Y (luminance) and C (chroma) signals. The S connection sends the two signals separately preventing degradation, and gives better picture quality compared to conventional connection.

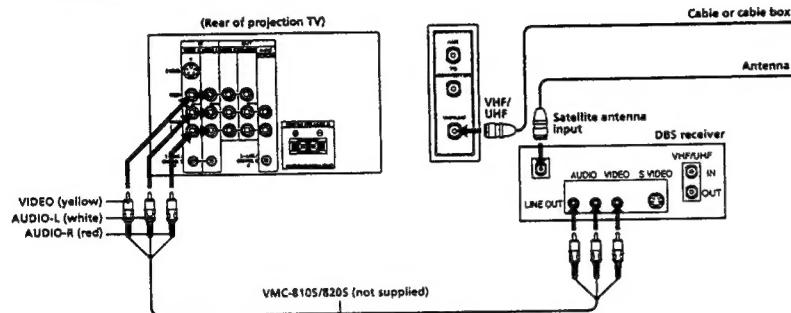
With a cable box



Connecting a DBS receiver

For connection details, see the instruction manual of the DBS (Digital Broadcasting Satellites) receiver.

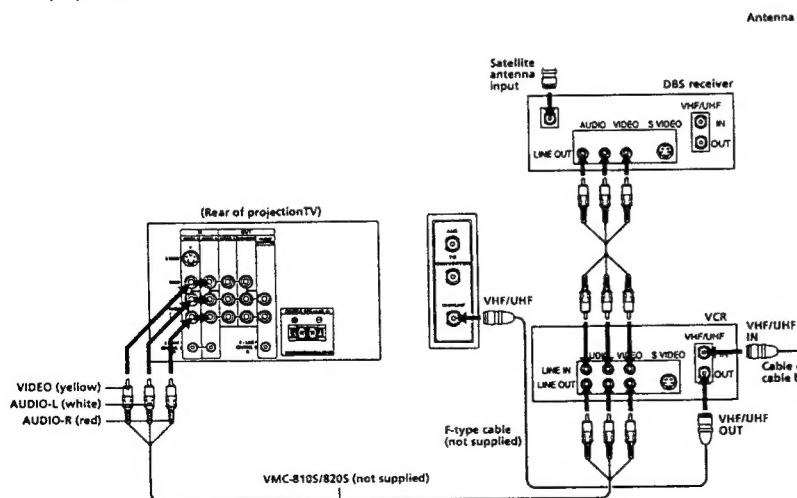
To a projection TV



Note

- You can use the S VIDEO jack or the composite video jack for the video connection.

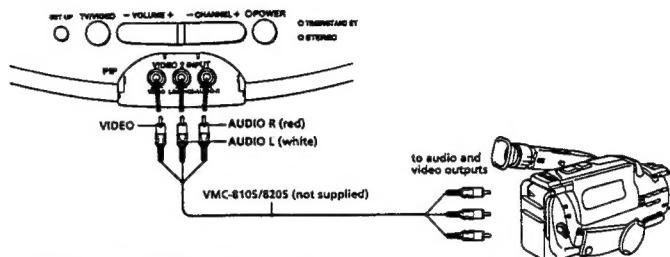
To a projection TV and VCR



Connecting a camcorder

This connection is convenient for watching the picture from a camcorder.

(Front of projection TV)



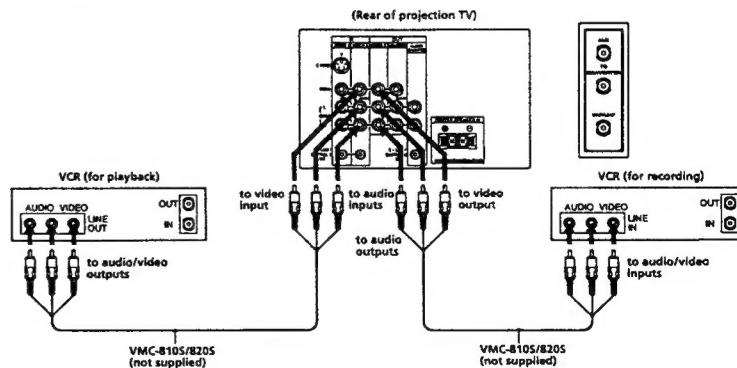
Note

- To connect a monaural camcorder, connect the audio output of the camcorder to AUDIO L (MONO) of VIDEO 2 INPUT on the projection TV.

Connecting two VCRs for tape editing using VIDEO 3 IN and OUT

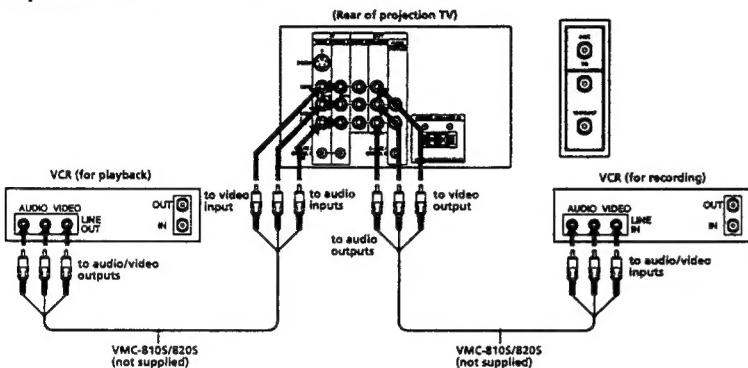
You can watch input images different from the image being recorded.

The VIDEO 3 OUT jacks output only the signal from the VIDEO 3 IN jacks. If you make the connection as shown below, you can watch images from either antenna, cable, VIDEO 1 IN or VIDEO 2 INPUT jacks during recording.



Connecting two VCRs for tape editing using MONITOR OUT

You can record input images displayed on the screen. This type of connection should be used only when you connect from the line input of one VCR, and from the line output of a second VCR.



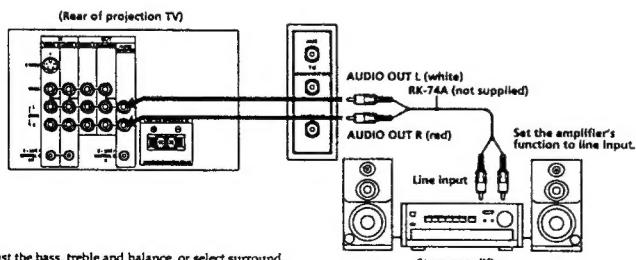
Notes

- Do not change the input signal while editing through MONITOR OUT, or the output signal will also change.
- When connecting a single VCR to the projection TV, do not connect MONITOR OUT to the VCR's line input, while at the same time connecting from the projection TV's VIDEO IN jacks to the VCR's line output.

- You can use the S VIDEO connector to connect a VCR for playback and either S VIDEO connector or composite video jack to connect a VCR for recording.

Connecting an audio system

When connecting audio equipment, see page 29 for more information.



Note

- You can adjust the bass, treble and balance, or select surround, an MTS (Multichannel TV Sound) or OSE (Orchestra Seat Effect) mode with the supplied remote commander.

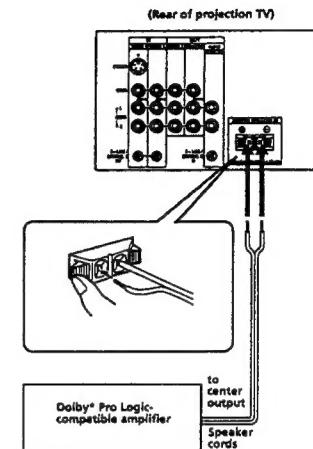
Using the projection TV speakers as center speakers

This feature allows you to enjoy the benefits of Dolby Pro Logic by using the speakers of the projection TV as the center speaker. To utilize this system, you must connect an amplifier that is Dolby Pro Logic compatible. Connect the speaker wires from the amplifier's center channel output terminals to the projection TV's CENTER SPEAKER IN. Both right and left terminals must be connected to receive an audio signal. After making the right connections, select "SPEAKER: CENTER" in the AUDIO menu (page 29). The left and right audio channels can be heard through your audio system speakers.

In this connection, adjust the volume with your amplifier.

Notes

- Always match the speaker cord and terminal colors when making the connections.
- Unplug the projection TV when making the connections. If the exposed speaker cord wires touch while the projection TV is plugged in, the projection TV may short-circuit and be damaged.
- Do not pull on the speaker cords.
- Always turn off the amplifier power before connecting to the CENTER SPEAKER IN terminals.
- When using the projection TV speakers as center speakers, the subwoofer is disabled.

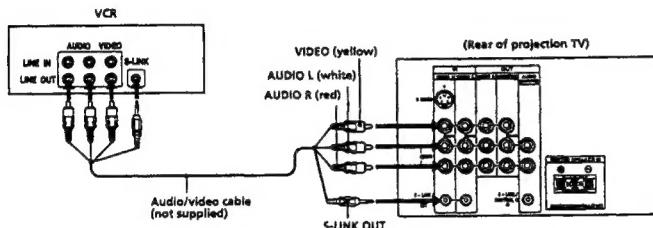


- Manufactured under license from Dolby Laboratories Licensing Corporation. Additionally licensed under one or more of the following patents: U.S. numbers 3,959,590, Canadian numbers 1,004,603 and 1,037,877. "Dolby", "Pro Logic", and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

Using the S-Link function with S-Link capable Sony VCRs

The S-Link feature allows you to operate the projection TV and VCR with the S-Link function in the following ways:

- When you press the VCR's play button, the projection TV's input mode is automatically changed to video input which is connected, and the VCR starts playing a tape.



Connecting other Sony equipment with CONTROL S jack

This feature allows you to control your projection TV and other Sony equipment with one remote commander.

- To control other Sony equipment with the projection TV's remote commander, connect the input of the equipment to CONTROL S OUT jack on the projection TV.
- To control the projection TV with the remote commander of other Sony equipment, connect the output of the equipment to CONTROL S IN jack on the projection TV.

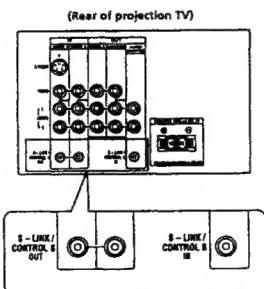
Note

- The same terminals are used for both S-Link and CONTROL S.

- You can turn off the projection TV and VCR together using the SYSTEM OFF button (see page 38 for details).

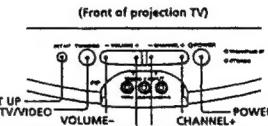
Notes

- The projection TV may malfunction if you connect the S-Link cable to the projection TV without connecting the other end of the cable to the VCR.
- When making the S-Link connection, be sure to insert all the connectors firmly.
- The same terminals are used for both S-Link and CONTROL S.



Step 4: Setting up the projection TV automatically (AUTO SET UP)

You can set up your projection TV easily by using AUTO SET UP feature. It presets all the receivable channels, adjusts the convergence and changes the on-screen menu language. To set up the projection TV manually, see "Adjusting convergence" (page 17), "Setting cable TV on or off" (page 18), "Presetting channels" (page 19) and "Changing the menu language" (page 19). If the TV is set to a video input, you cannot execute AUTO SET UP. Press TV/VIDEO so that a channel number appears.

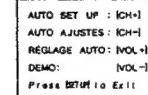


1 Press POWER to turn the projection TV on.

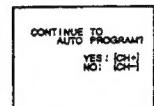


2 Press SET UP on the front of the projection TV.

The AUTO SET UP screen appears.



- Press CHANNEL+ to start AUTO SET UP. If you prefer Spanish or French to English, you can change the on-screen menu language. Press CHANNEL - for Spanish or VOLUME+ for French.

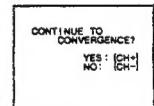


All of the menus will be set to the factory preset condition in the selected language.

4 Press CHANNEL+ to preset channels.

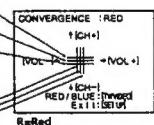


"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the following menu appears. If the projection TV receives cable TV channels, CATV is set to ON automatically.



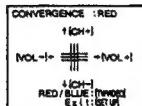
5 Adjust convergence.

- Press CHANNEL+.
The CONVERGENCE adjustment screen appears.

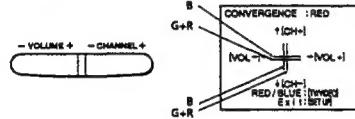


(continued)

(2) Press TV/VIDEO to select RED or BLUE.



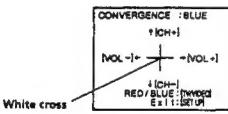
(3) Using CHANNEL +/- or VOLUME +/-, move the line until it converges with the center green line.



To move horizontal line up/down, press CHANNEL+/-.

To move vertical line right/left, press VOLUME+/-.

(4) Repeat steps (2) and (3) to adjust the other lines until all three lines converge and are seen as a white cross.



Notes

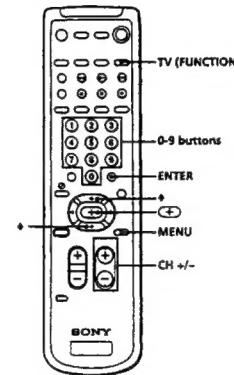
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- In case of using the AUX connector, press TV (black button) on the remote commander first and make sure that "AUX" is displayed beside the channel number on the screen. Then follow steps 2 to 5 above to perform AUTO SET UP.

To preview the main functions (DEMO)

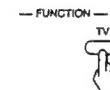
Press VOLUME- in step 3. The functions and menus are displayed one by one. To exit DEMO, press any button.

Erasing or adding channels

After AUTO SET UP you can erase unnecessary channels or add the channels you want. Preset channels during the day rather than late at night, when some channels may not be broadcasting.



1 Press TV (FUNCTION).



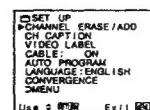
2 Press MENU.

The main menu appears.



3 Press + or - to move the cursor (>) to SET UP and press \odot .

The SET UP menu appears.



4 Make sure the cursor (>) is beside CHANNEL ERASE/ADD and press \odot .

If the cursor is not beside CHANNEL ERASE/ADD, press \downarrow or \uparrow to move the cursor and press \odot .

The CHANNEL ERASE/ADD menu appears.



(3) Press \odot .

The "+" indication appears beside the channel number, showing that the channel is added to the preset memory.



6 To erase and/or add other channels, repeat step 5.

7 When you finish, press MENU.



Notes

- If you erase or add a VHF or UHF channel, the cable TV channel with the same number is also erased or added, and vice versa.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- Erasing and adding channels are also available for the AUX input.

Adjusting convergence (CONVERGENCE)

The projection tube image appears on the screen in three layers (red, green and blue). If they do not converge, the color is poor and the picture blurs. To correct this, adjust convergence.

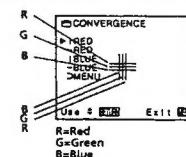
You do not have to do this procedure if you execute AUTO SET UP (page 15). Do this procedure only when you want to adjust it manually.

1 Press MENU.

2 Press + or - to move the cursor (>) to SET UP and press \odot .

3 Press + or - to move the cursor (>) to CONVERGENCE and press RETURN.

The CONVERGENCE adjustment screen appears.

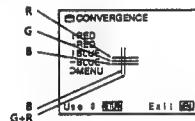


- 4 Press **+** or **-** to move the cursor (**>**) to the symbol showing the line you want to adjust, and press **(**.



I RED: Red vertical line (left/right adjustment)
I RED: Red horizontal line (up/down adjustment)
I BLUE: Blue vertical line (left/right adjustment)
I BLUE: Blue horizontal line (up/down adjustment)

- 5 Press **+** or **-** to move the line until it converges with the center green line, and press **(**.



To move up/right, press **+**.
To move down/left, press **-**.

- 6 Repeat steps 4 and 5 to adjust the other lines until all three lines converge and are seen as a white cross.

- 7 Press MENU to return to the original screen.

Setting cable TV on or off

If you have connected the projection TV to a cable TV system, set CABLE to ON, the factory setting. If not, set CABLE to OFF. You do not have to do this procedure if you execute AUTO SET UP (page 15). Do this procedure only when you want to set it manually.

- 1 Press MENU.
- 2 Press **+** or **-** to move the cursor (**>**) to SET UP and press **(**.

- 3 Press **+** or **-** to move the cursor (**>**) to CABLE and press **(**.



- 4 Press **+** or **-** to select ON or OFF and press **(**.



- 5 Press MENU to return to the original screen.

Note

- If CABLE appears in black, the projection TV is set to a video input and you cannot select CABLE. Press TV (black) so that a channel number appears.

Presetting channels

You can preset TV channels easily by AUTO PROGRAM feature.

You do not have to do this procedure if you execute AUTO SET UP (page 15). Do this procedure only when you want to set it manually.

- 1 Press MENU.
- 2 Press **+** or **-** to move the cursor (**>**) to SET UP and press **(**.



- 3 Press **+** or **-** to move the cursor (**>**) to AUTO PROGRAM and press **(**.



"AUTO PROGRAM" appears on the screen and the projection TV starts scanning and presetting channels automatically. When all the receivable channels are stored, "AUTO PROGRAM" disappears and the lowest numbered channel is displayed.

- 4 Press MENU to return to the original screen.

Notes

- If AUTO PROGRAM appears in black in the SET UP menu, the projection TV is set to a video input and you cannot select AUTO PROGRAM. Press TV (black) so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- Presetting channels is also available for the AUX input.

Changing the menu language

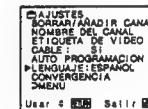
If you prefer Spanish or French to English, you can change the menu language.

You do not have to do this procedure if you execute AUTO SET UP (page 15). Do this procedure only when you want to set it manually.

- 1 Press MENU.
- 2 Press **+** or **-** to move the cursor (**>**) to SET UP and press **(**.
- 3 Press **+** or **-** to move the cursor (**>**) to LANGUAGE and press **(**.



- 4 Press **+** or **-** to select the language and press **(**.
The menu in selected language appears.



- 5 Press MENU to return to the original screen.

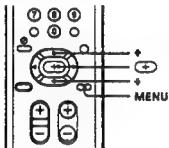
Note

- Even when you select Spanish or French language, certain parts of the menus remain in English.

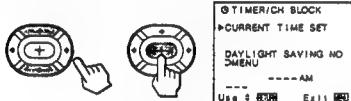
Setting the clock

(CURRENT TIME SET)

Set the current time before using On/off Timer (page 32) and Channel Block features (page 33). For example, set the clock to 3:15 P.M., Monday.

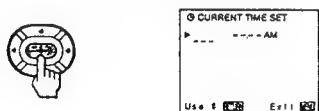


- 1 Press MENU.
- 2 Press + or - to select TIMER/CH BLOCK and press \odot .



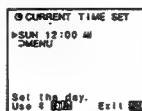
If you need to set DAYLIGHT SAVING, follow the procedure on the previous page.

- 3 Make sure the cursor (\blacktriangleright) is beside CURRENT TIME SET, and press \odot .
If the cursor is not beside CURRENT TIME SET, press + or - to move the cursor and press \odot .



4 Set the current time.

- (1) Press \odot to start setting the time.



- (2) Press + or - to set the day and press \odot .



- (3) Using + or - and \odot , set hour and minute in the same way as in step (2). When you press \odot after setting the minute, the clock starts.



If you make a mistake while setting the time
Press RESET while the CURRENT TIME SET menu is displayed, then repeat step 4.

To display the current time
Press DISPLAY.

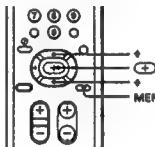
Note

- If you unplug the projection TV or a power interruption occurs, the clock will be erased. Reset the current time.

Setting the timer to turn the projection TV on and off

(ON/OFF TIMER)

You can set the projection TV to turn on and off at the time you specify. Make sure the clock is set correctly. If it is not, set the clock first (page 31).



- 1 Press MENU.
- 2 Press + or - to select TIMER/CH BLOCK and press \odot .
- 3 Press + or - to select ON/OFF TIMER and press \odot .



4 Enter the ON/OFF TIMER setting.

- (1) Press + or - to select program 1 or 2 and press \odot .

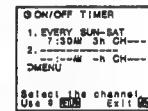
- (2) Press + or - to set the days and press \odot . Each time you press + or -, the days cycle as shown below.
EVERY SUN-SAT → EVERY MON-FRI → SUNDAY → MONDAY → ... → SATURDAY → EVERY SUNDAY → EVERY MONDAY → ... → EVERY SATURDAY



- (3) Press + or - to set the time (hour then minute) that you want to turn on the projection TV and press \odot .



- (4) Press + or - to set the hour duration and press \odot . You can set the hour duration by one hour up to a maximum of six hours.



- (5) Press + or - to select the channel and press \odot .



The TIMER/STAND BY indicator on the projection TV lights.

- 5 To set the other program, press \odot and repeat step 4.

One minute before the projection TV switches to turn off, a message "TV will turn off." is displayed on the screen.

To cancel the timer

Press RESET on the remote commander.

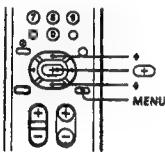
Note

- If you unplug the projection TV or a power interruption occurs, ON/OFF TIMER settings will be erased. Reset the current time, then set the timer.

Blocking out a channel (CHANNEL BLOCK)



This feature allows you to prevent children from watching unsuitable programs. Make sure the clock is set correctly. If it is not, set the clock first (page 31).



1 Press MENU.

2 Press + or - to select TIMER/CH BLOCK and press \odot .

3 Press + or - to select CHANNEL BLOCK and press \odot .



4 Enter a CHANNEL BLOCK setting.

(1) Press + or - to select program 1 or 2 and press \odot .

(2) Press + or - to set the days and press \odot . Each time you press + or -, the days cycle as shown below.

EVERY SUN-SAT → EVERY MON-FRI →
SUNDAY → MONDAY → ... → SATURDAY →
EVERY SUNDAY → EVERY MONDAY →
... → EVERY SATURDAY



(3) Press + or - to set the time (hour then minute) that you want to start blocking the channel and press \odot .

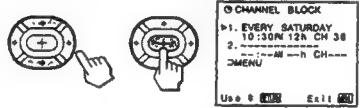


(4) Press + or - to select the hour duration you want to block and press \odot .

Each time you press \odot , the hour duration increases by one hour up to a maximum of 12 hours.



(5) Press + or - to select the channel and press \odot .



If you select the blocked channel during the time you set, the message "BLOCKED" appears and the picture is blocked and the sound is muted.

To cancel a CHANNEL BLOCK setting
Press RESET on the remote commander.

Note

- If the CHANNEL BLOCK and ON/OFF TIMER settings are overlapped, the later time setting has priority over the other setting.

Customizing the channel names (CH CAPTION)



6 Enter the letters (up to four) to caption the channel:

(1) Press + or - to select the first letter.

Each time you press + or -, the letter changes as follows:

0 → 1 → ... → 9 → A → B → ... → Z → & → / → (blank space)



(2) Press \odot .



(3) Repeat steps (1) and (2) to select the remaining letters and press \odot .



7 Repeat steps 4 to 6 to caption other channels.

To erase a caption
Press RESET after step 4.

Notes

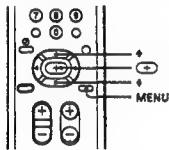
- If the CH CAPTION menu appears in black, the projection TV is set to a video input, and you cannot select CH CAPTION. Press TV (black button) so that a channel number appears.
- If more than 90 seconds elapse after you press a button, the menu disappears automatically.
- The channel caption feature is not available for the AUX input.

5 Press + or - to select the channel that you want to caption and press \odot .



Setting video labels (VIDEO LABEL)

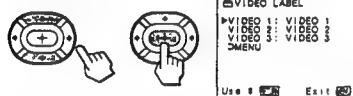
This feature allows you to label each input mode so that you can easily identify the connected equipment. For example, you can label VIDEO 1 IN as VHS.



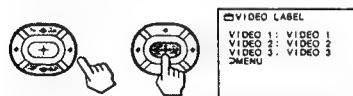
1 Press MENU.

2 Press + or - to select SET UP and press ⓧ.

3 Press + or - to select VIDEO LABEL and press ⓧ.



4 Press + or - to select the input mode you want to label and press ⓧ.



5 Press + or - to select the label and press ⓧ.



Each time you press + or -, the label changes as shown below.

VIDEO 1
VIDEO 1→S-VIDEO→BETA→8mm→VHS→LD→DBS

VIDEO 2
VIDEO 2→BETA→8mm→VHS→LD→DBS

VIDEO 3
VIDEO 3→BETA→8mm→VHS→LD→DBS

6 Repeat steps 4 and 5 to label other input modes.

Note

- If more than 90 seconds elapse after you press a button, the menu disappears automatically.

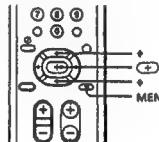
Displaying Caption Vision (CAPTION VISION)

To display Caption Vision
Press DISPLAY. (See page 21 for details.)

Notes

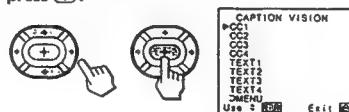
- Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of a certain word.
- XDS, Caption Vision, and the status display cannot be used at the same time.
- For details on XDS, see page 21.

Some programs are broadcast with Caption Vision. To display Caption Vision, select either CC1, CC2, CC3, CC4, TEXT1, TEXT2, TEXT3 or TEXT4 from the menu. CC1, CC2, CC3 or CC4 shows you a caption, that is a printed version of the dialog or sound effects of a program. (The mode should be set to CC1 for most programs.) TEXT1, TEXT2, TEXT3 or TEXT4 shows you text, that is information presented using either half or the whole screen. It is not usually related to the program.



1 Press MENU.

2 Press + or - to select CAPTION VISION and press ⓧ.



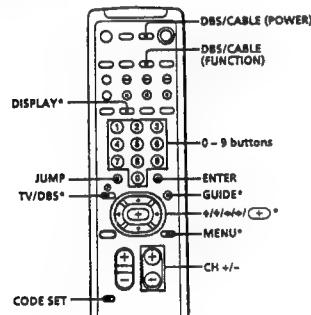
3 Press + or - to select the caption type and press ⓧ.

The selected caption type is colored green.



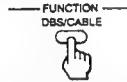
Operating a cable box or DBS receiver

You can program the supplied remote commander to operate a cable box or DBS receiver. Follow the procedures below to set the manufacturer's code number in the remote commander.



* The TV/DBS, GUIDE, DISPLAY, $\leftrightarrow/\leftrightarrow/\leftrightarrow/\leftrightarrow$ and MENU buttons can be used only with a DBS receiver.

- Turn off the equipment you want to set up, and press DBS/CABLE (FUNCTION).



- Press the CODE SET, DBS/CABLE (FUNCTION), and 0 - 9 buttons to enter the manufacturer's code number (see the chart), then press ENTER. For example, to program your remote commander to operate a Sony DBS receiver, press CODE SET, DBS/CABLE (FUNCTION), 8, 0, 1, and ENTER.



- Press DBS/CABLE (POWER) to turn on the cable box or DBS receiver.



- Use the cable box/DBS control buttons to check if the code number works.
For example, to operate a cable box or DBS receiver, you can use the DBS/CABLE (POWER), JUMP, CH $\leftrightarrow/\leftrightarrow$, 0 - 9 and ENTER buttons.

Note

- If the cable box or DBS receiver does not have a certain function, the corresponding button on this remote commander will not operate.

To operate the projection TV
Press TV (FUNCTION). Then use the projection TV control buttons to control the projection TV.

For more details on operating the cable box or DBS receiver
Refer to the operating instructions that come with the equipment.

If the remote commander doesn't work

- First, try repeating the setup procedures using the other codes listed for your equipment.

Manufacturer code numbers (cable box)

Manufacturer	Code number
Hamlin/Regal	222, 223, 224, 225, 226
Jerrold/G. I.	201, 202, 203, 204, 205, 206, 207, 208, 218
Ok	227, 228, 229
Panasonic	219, 220, 221
Pioneer	214, 215
Scientific Atlanta	209, 210, 211
Tocoon	216, 217
Zenith	212, 213

Manufacturer code numbers (DBS receiver)

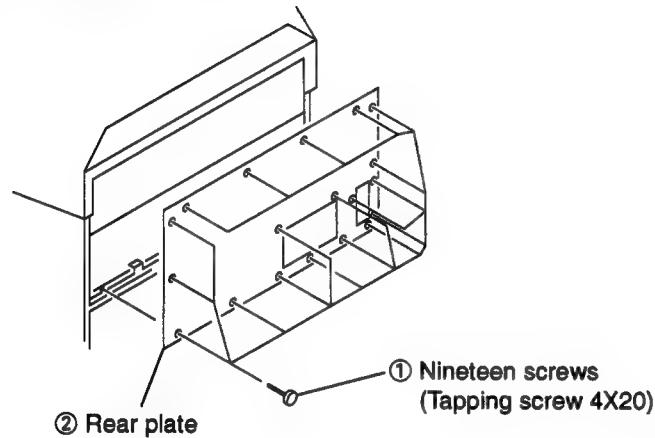
Manufacturer	Code number
Sony	801 (preset code for the supplied remote commander)
RCA	802

Notes

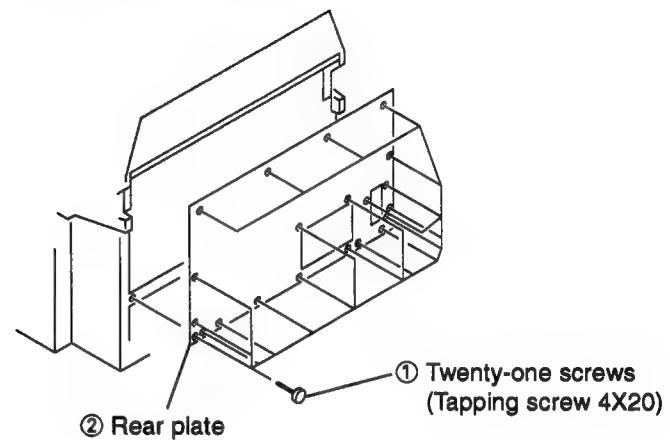
- If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
- If you enter a new code number, the code number you previously entered at that setting is erased.
- In some rare cases, your equipment may use a code that is not provided with this remote commander and you may not be able to operate your equipment with the supplied remote commander. In this case, use the equipment's own remote control unit.
- Whenever you remove the batteries — to replace them, for example — if too much time is taken, the code numbers may revert to the factory setting and must be reset.

SECTION 2
DISASSEMBLY

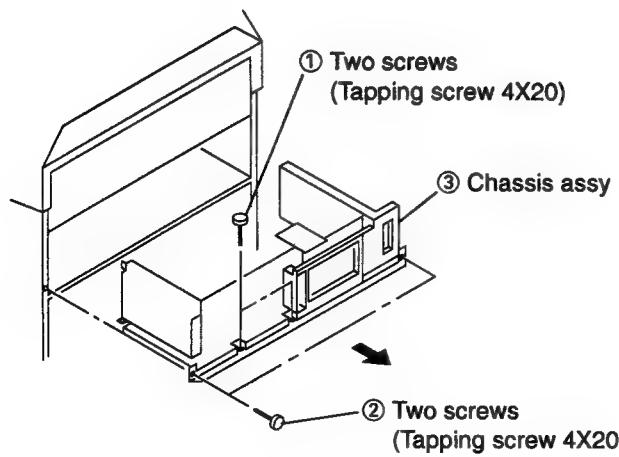
2-1-1. REAR PLATE REMOVAL
(KP-46V35/53V35)



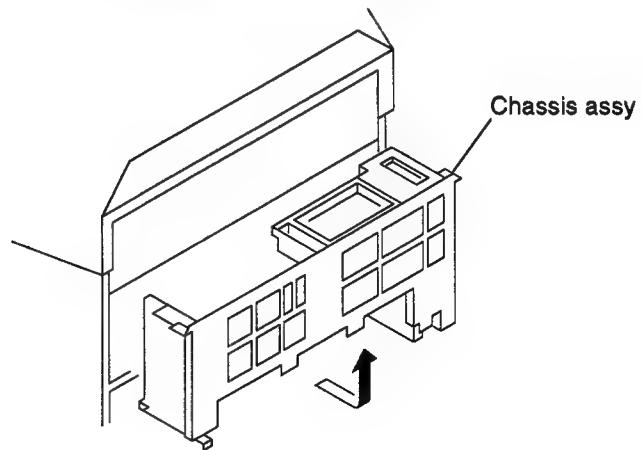
2-1-2. REAR PLATE REMOVAL
(KP-61V35)



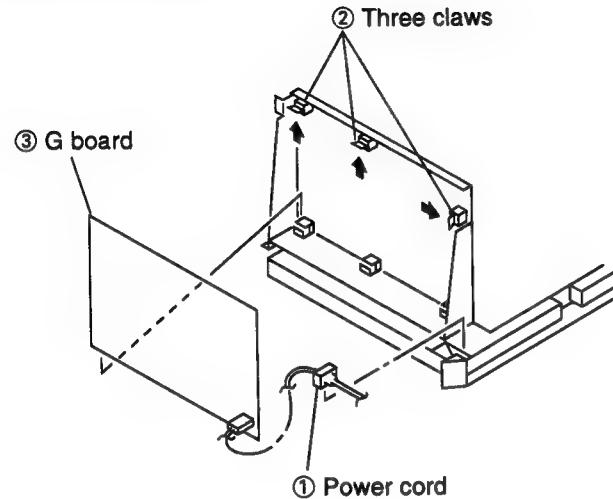
2-2. CHASSIS ASSY REMOVAL



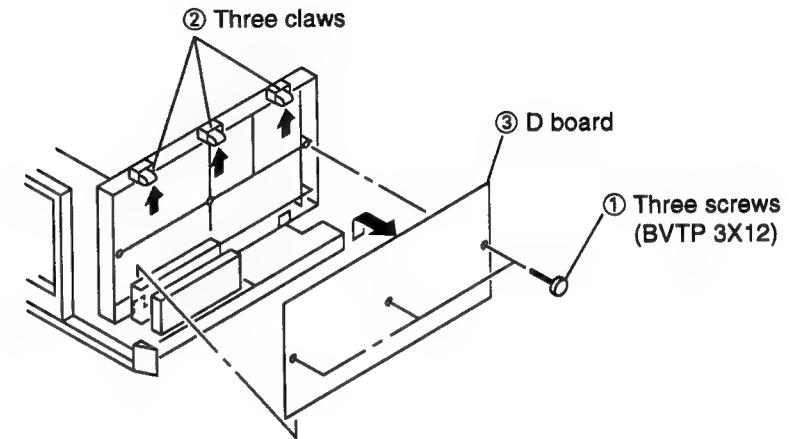
2-3. SERVICE POSITION
Remove the chassis assy (Refer to 2-2.)



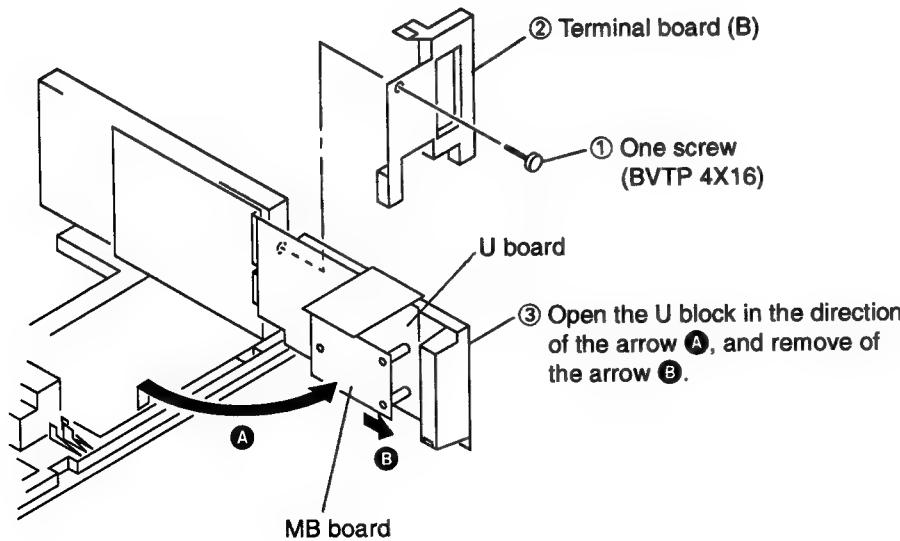
2-4. G BOARD REMOVAL



2-5. D BOARD REMOVAL

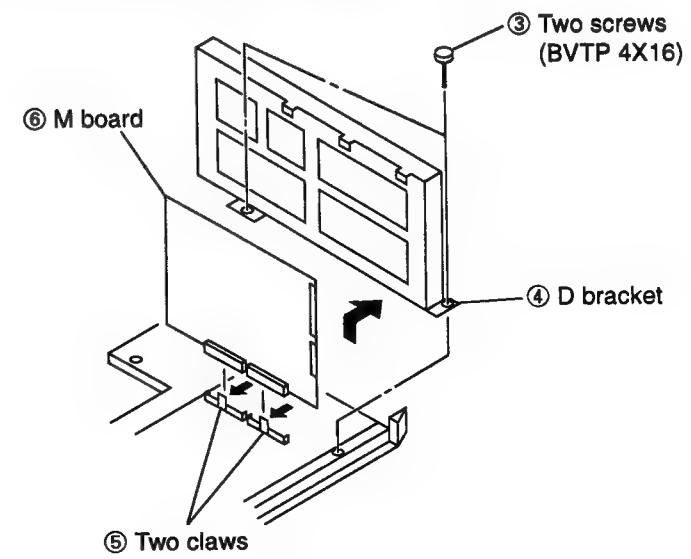


2-6. U BOARD REMOVAL

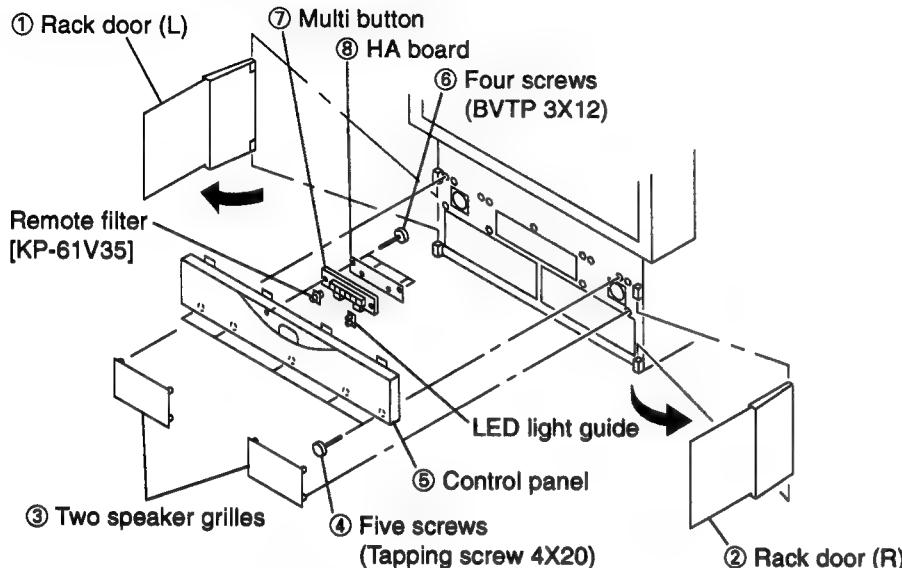


2-7. M BOARD REMOVAL

- ① Remove the D board. (Refer to 2-5.)
- ② Remove the U board. (Refer to 2-6.)

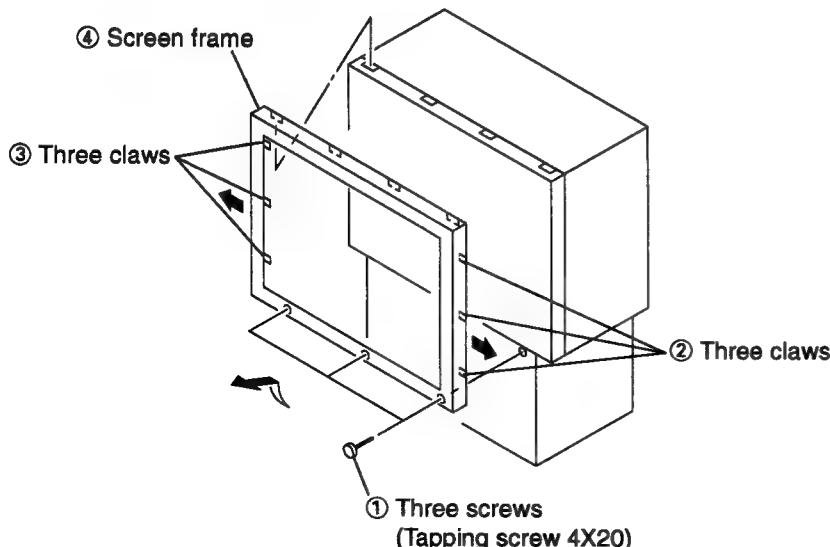


2-8. HA BOARD REMOVAL



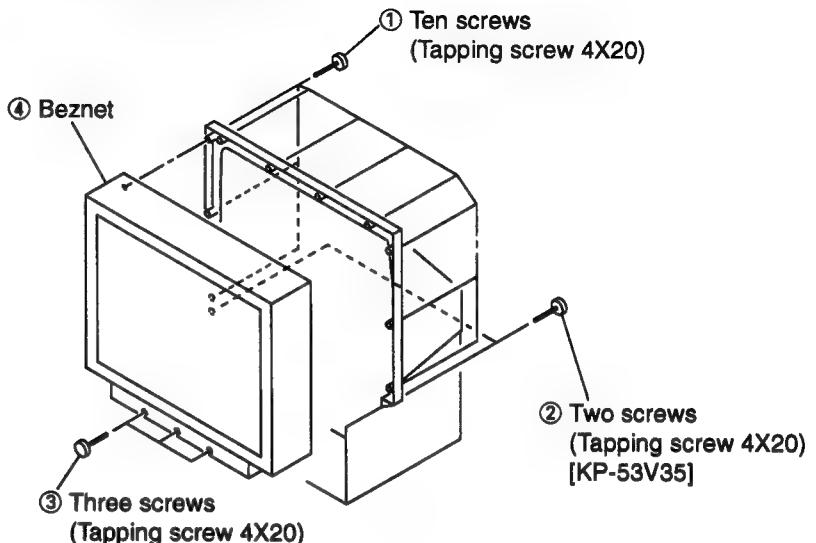
2-9-2. SCREEN FRAME REMOVAL

[KP-61V35]



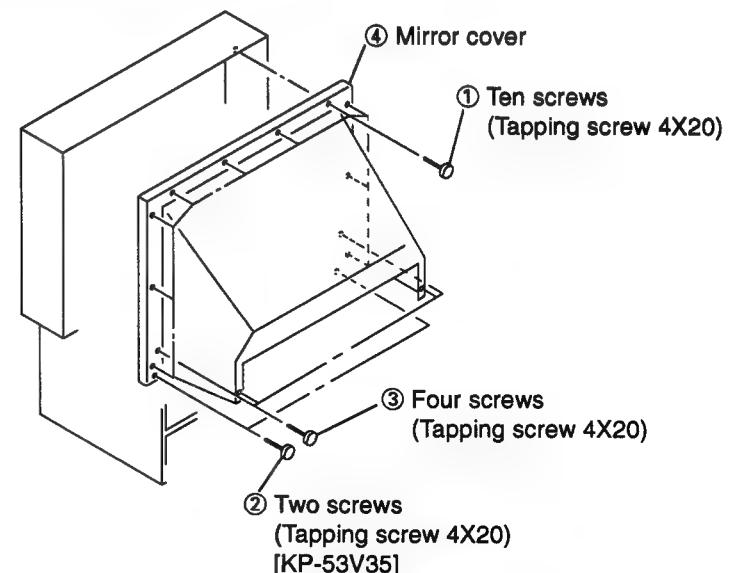
2-9-1. BEZNET REMOVAL

[KP-46V35/53V35]

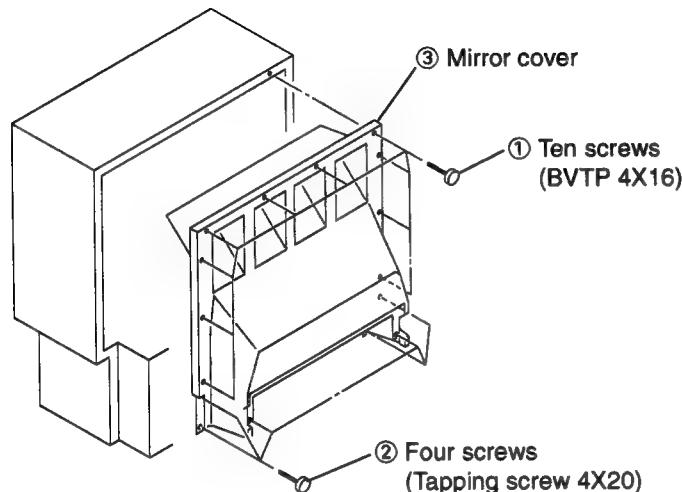


2-10-1. MIRROR COVER REMOVAL

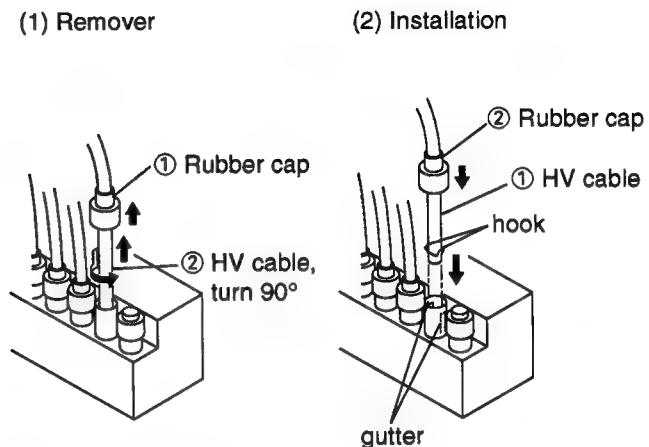
[KP-46V35/53V35]



2-10-2. MIRROR COVER REMOVAL
[KP-61V35]

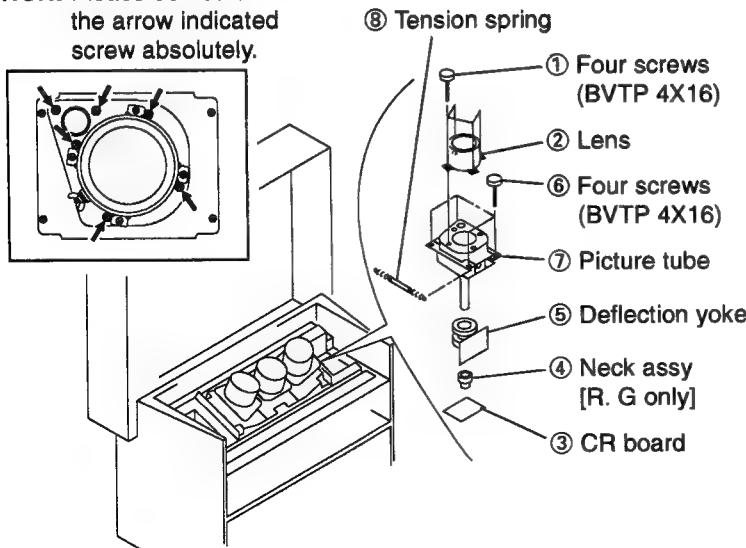


2-11. HIGH-VOLTAGE CABLE INSTALLATION AND REMOVAL

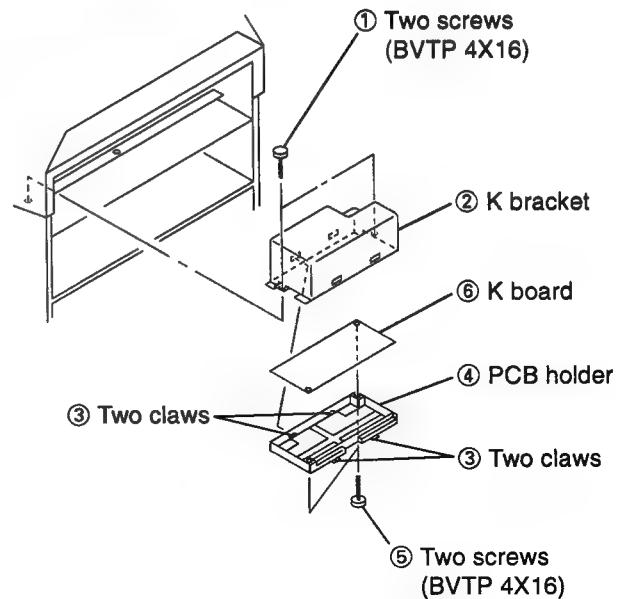


2-12. PICTURE TUBE REMOVAL

CAUTION: Please do not loosen the arrow indicated screw absolutely.

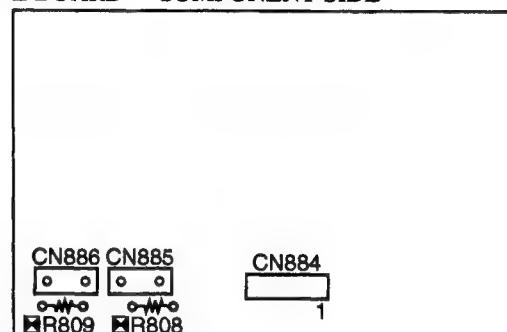
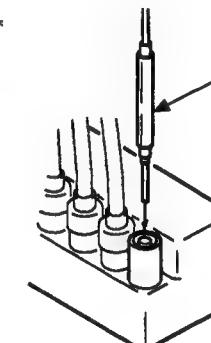


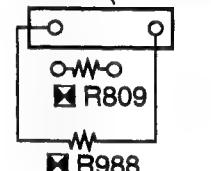
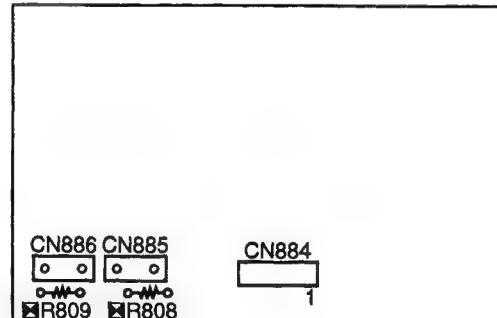
2-13. K BOARD REMOVAL

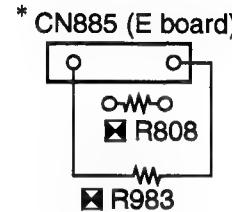


SECTION 3

SAFETY RELATED ADJUSTMENTS

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>HV HOLD DOWN CIRCUIT OPERATIONS CHECK AND ADJUSTMENT (*<input checked="" type="checkbox"/> RESISTOR)</p> <p>When replacing the parts marked *<input checked="" type="checkbox"/> on the right, check the HV hold down and adjust.</p> <p>1. Remove the cap for the unconnected pin in the *high-voltage block and connect a *Static Voltmeter. 2. Input 130 VAC power.</p> <p>3. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p> <p>4. Connect a *33 kΩ variable resistor across the E board *CN885 connector (with the variable resistor set to its maximum).</p>	<p>* Static Voltmeter</p> <p>* Dot pattern</p>	<p>*<input checked="" type="checkbox"/> marked parts C818, D804, D806, D809, D909, D912, Q915, R809, R855, R856, R857, R858, R954, R955, R983, R984, R988, R991, R995, R996, R998, T803, FBT E board HV Block *HV Block</p> <p>*PICTURE minimum BRIGHTNESS minimum</p>	<p>*<input checked="" type="checkbox"/> R809, R988</p>	<p>E BOARD - COMPONENT SIDE -</p>  <p>Remove the cap off from the unused terminal and connect a static voltmeter there.</p>  <p>CN885</p> <p>E board</p> <p>VR33kΩ</p>

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>5. Gradually lower the value of the variable resistor and check that the hold down circuit operates at a Static Voltmete reading of $*33.7 \pm 0.8$ kVDC and that the rasters disappear.</p> <p>6. If the hold down circuit operates and the rasters disappear at a Static Voltmete meter reading of $*34.0$ VDC or higher, remove resistor *R809 and mount a $*16.0$ kΩ 1/4W RN at *R988. If the hold down circuit operates and the rasters disappear at a Static Voltmete reading of $*32.0$ VDC or lower, remove resistor R809 and mount $*6.2$ kΩ 1/4W RN at *R988.</p> <p>7. Check Item 5 again.</p>			<p>*R988</p> <p>*R988</p>	<p>$*33.7 \pm 0.8$ kVDC</p> <p>$*34.0$ VDC or higher $*16.0$ kΩ 1/4W</p> <p>$*32.0$ VDC or lower $*6.2$ kΩ 1/4W</p> <p>* CN886 (E board)</p> 
<p>HV REGULATION CIRCUIT CHECK AND ADJUSTMENT (*<input checked="" type="checkbox"/> RESISTOR)</p> <p>When replacing the parts marked *<input checked="" type="checkbox"/> on the right, check the HV regulation and adjust.</p>		<p>*<input checked="" type="checkbox"/> marked parts</p> <p>C918, C930, C934, C980, D902, D920, D925, Q909, R808, R851, R929, R936, R939, R942, R944, R945, R946, R947, R950, R960, R965, R967, R971, R975, R976, R982, R983, R985, R998</p> <p>..... E Board</p> <p>HV Block</p> <p>*HV Block</p>	<p>*<input checked="" type="checkbox"/> R808, R983</p>	<p>E BOARD – COMPONENT SIDE –</p> 
<p>1. Remove the cap for the unconnected pin in the *high-voltage block and connect a *Static Voltmete.</p> <p>2. Input 120 VAC power.</p> <p>3. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p>	<p>*Static Voltmete</p> <p>*Dot pattern</p>		<p>*PICTURE</p> <p>..... minimum</p> <p>BRIGHTNESS</p> <p>..... minimum</p>	

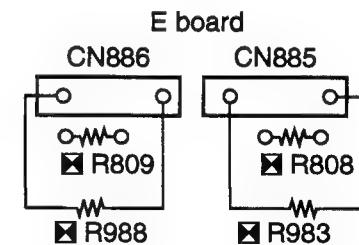
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>4. Check that the Static Voltmete reading is $*31.0 \pm 0.4$ kVDC.</p> <p>5. If the Static Voltmete reading is $*30.5$ kV or lower, remove resistor *R808 and mount $*5.6\text{ k}\Omega$ 1/4W RN at *R983.</p> <p>6. If the Static Voltmete reading is $*31.4$ KV or higher, remove resistor *R808 and mount $*8.2\text{ k}\Omega$ 1/4W RN at *R983.</p> <p>7. If the Static Voltmete reading is $*32.0$ kV or higher, remove resistor *R808 and mount $*10.0\text{ k}\Omega$ 1/4W RN at *R983.</p> <p>8. If any of Items 5, 6 or 7 has been implemented, check Item 4 again.</p>		*R983 *R983 *R983	$*31.0 \pm 0.4$ kVDC $*30.5$ kV or lower $*5.6\text{ k}\Omega$ 1/4W $*31.4$ KV or higher $*8.2\text{ k}\Omega$ 1/4W $*32.0$ kV or higher $*10.0\text{ k}\Omega$ 1/4W	

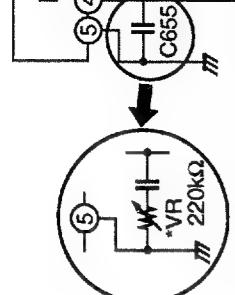
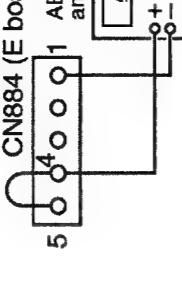
HV HOLD DOWN AND HV REGULATOR SIMPLE ADJUSTMENT

It is normally desirable that the HV hold down and HV regulation checks use a high-voltage meter. However, sometime one is not available, for example in the field, below is a simple adjustment method.

When replacing parts with the mark, replace both the resistors with the mark *R808 (R988) and *R809 (R983) with resistors one rank lower in the E-12 series. Do not replace just one of these resistors! Always replace both with resistors one rank lower.

*
*R808 (R988)
*R809 (R983)



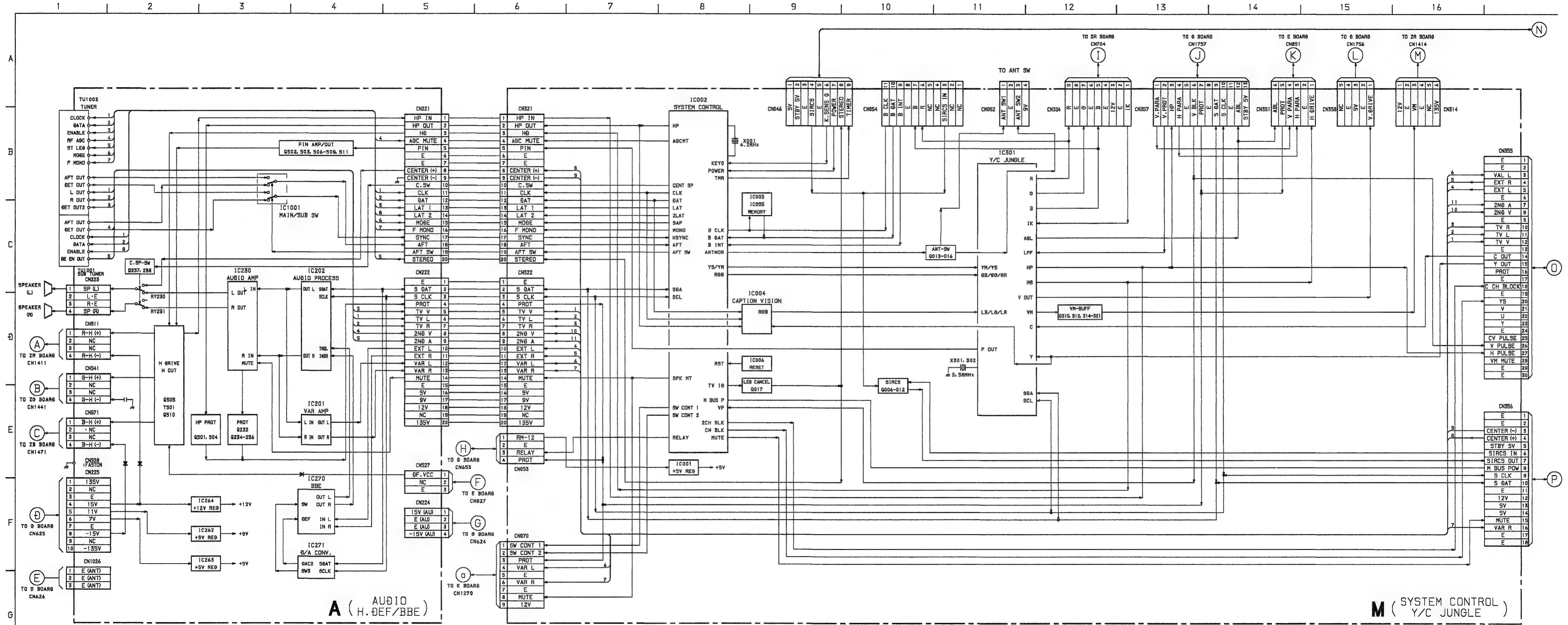
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
OVERTVOLTAGE PROTECTION (OVP) OPERATIONS CHECK				<p>1. Connect a *220 kΩ variable resistance rheostat to the G board C655 (between Pins ③ and ⑤ of IC651).</p>  <p>* 120.0 ± 1.0 VAC, 60 Hz</p> <p>* PICTURE minimum BRIGHTNESS maximum BRIGHTNESS</p> <p>2. Input 120.0 ± 1.0 VAC, 60 Hz power.</p> <p>3. Receive the *Dot signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p> <p>4. Gradually lower the value of the connected variable resistance and check that when the +B line *voltage is 143.5 ± 5.5 VDC, the overvoltage circuit operates and the rasters disappear.</p> <p>5. Remove the variable resistor and check the +B line voltage.</p>
BEAM CURRENT (ΣI_k) PROTECTION CIRCUIT CHECK				<p>* Ammeter</p> <p>1. Connect the *ABL ammeter between *Pins ① and ④ of the CN884 on the E board. Have Pins ② and ③ open.</p>  <p>* 120.0 ± 1.0 VAC, 60 Hz</p> <p>* PICTURE minimum BRIGHTNESS maximum BRIGHTNESS</p> <p>2. Input 120.0 ± 1.0 VAC, 60 Hz power.</p> <p>3. Receive a *monoscope signal and set the *PICTURE and BRIGHTNESS settings to their minimums.</p>

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
<p>4. Gradually raise the *PICTURE and BRIGHTNESS settings and check that below an *ABL current of 3.35 mA (including dark current), the beam current protection circuit operates and the rasters disappear.</p> <p>+B, +B MAX CHECK</p> <p>When replacing the G board IC651, check the following.</p>			<p>*PICTURE BRIGHTNESS</p> <p>E BOARD - COMPONENT SIDE -</p> 	<p>*Less than 3.35 mA</p>
			<p>*120.0 ± 1.0 V, 60 Hz</p> <p>*PICTURE minimum BRIGHTNESS minimum</p> <p>*CN681 pin ①</p> <p>*CN681 pin ①</p>	<p>*135.0 ± 2.0 VDC</p> <p>*130.0 $^{+2.0}_{-0}$ VAC</p> <p>*Less than 137.0 VDC</p>

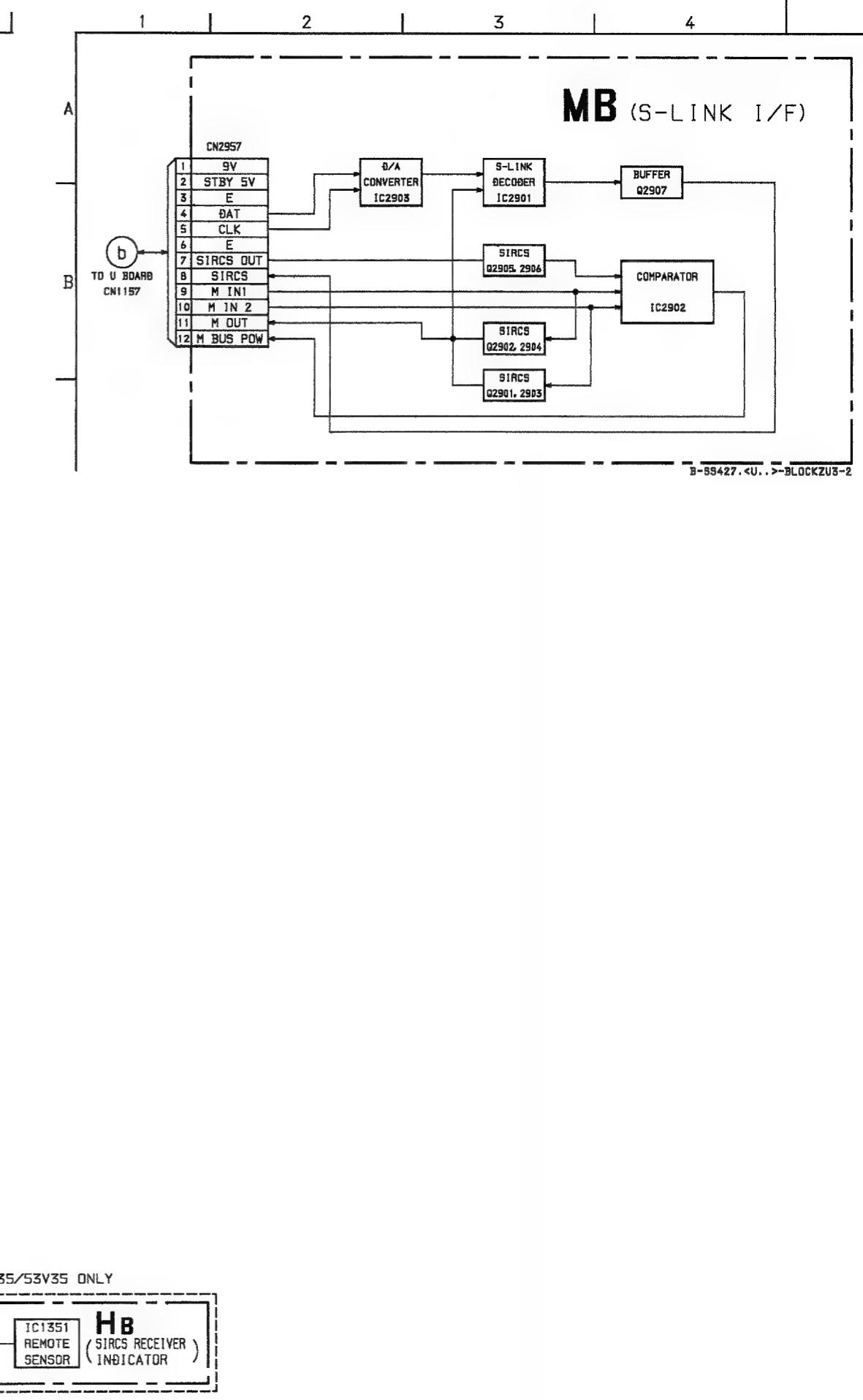
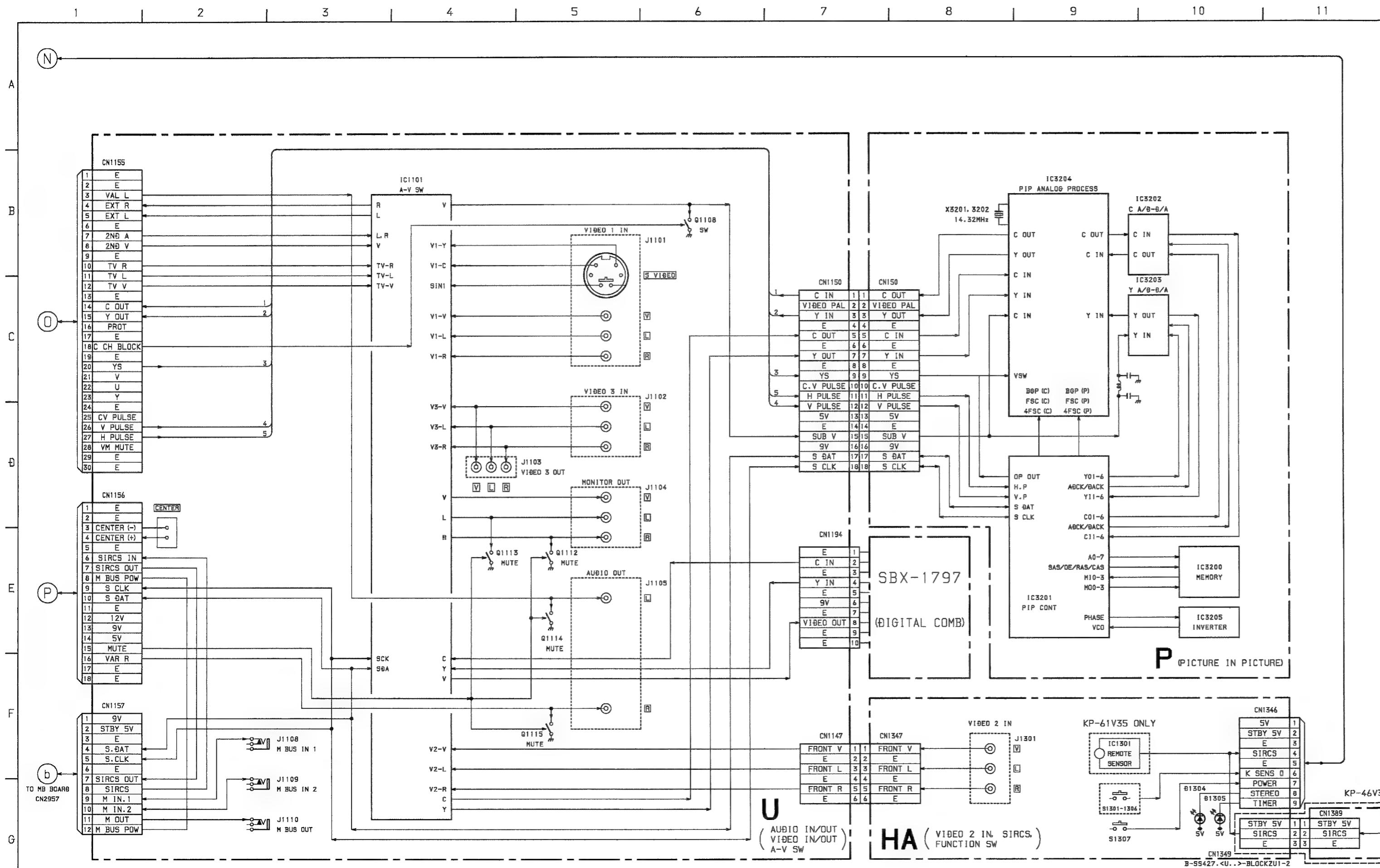
SECTION 4

DIAGRAMS

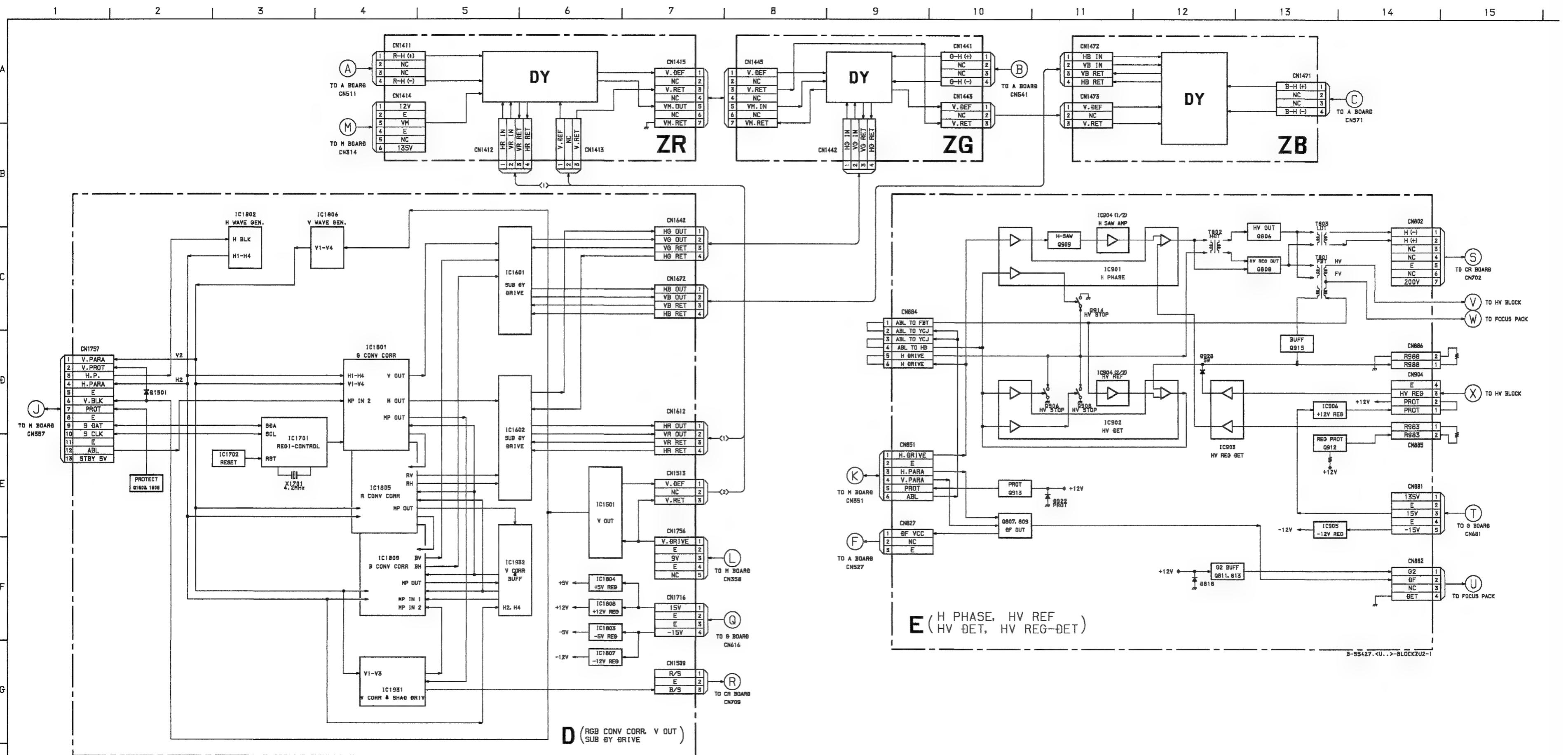
4-1. BLOCK DIAGRAMS (1)



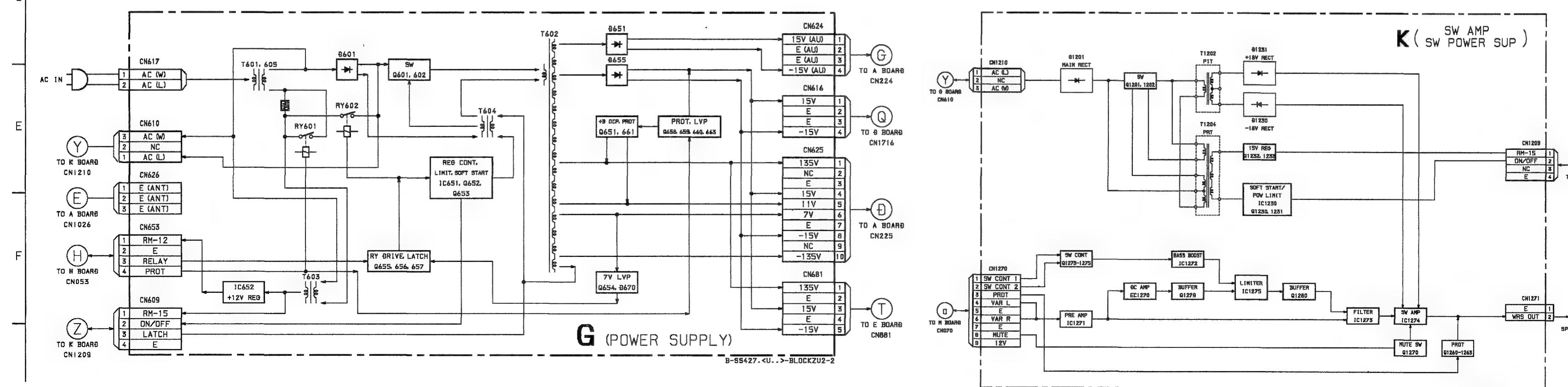
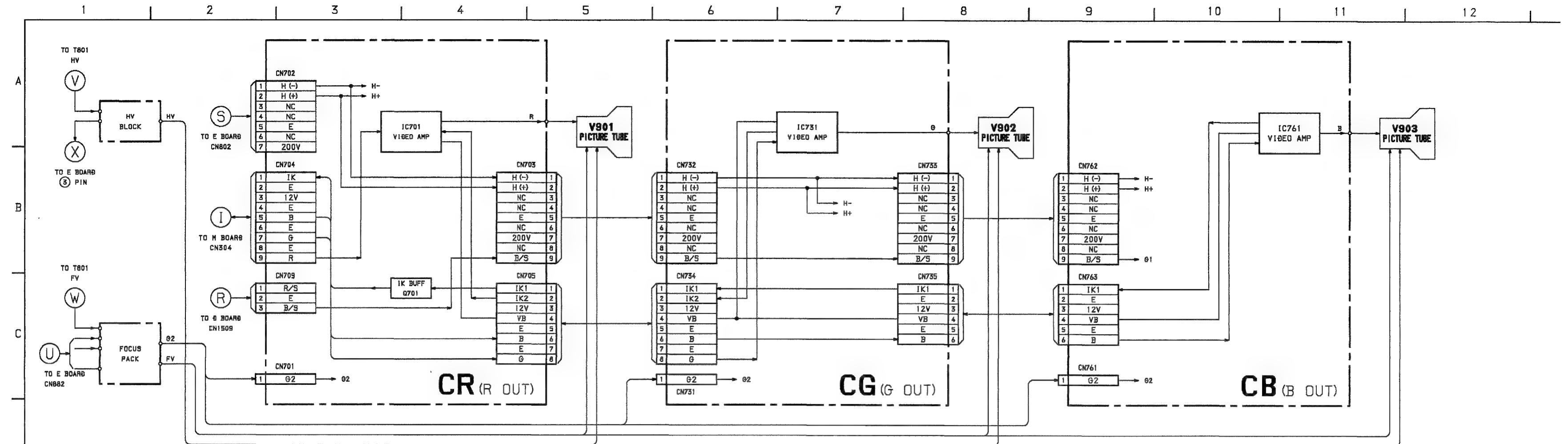
BLOCK DIAGRAMS (2)



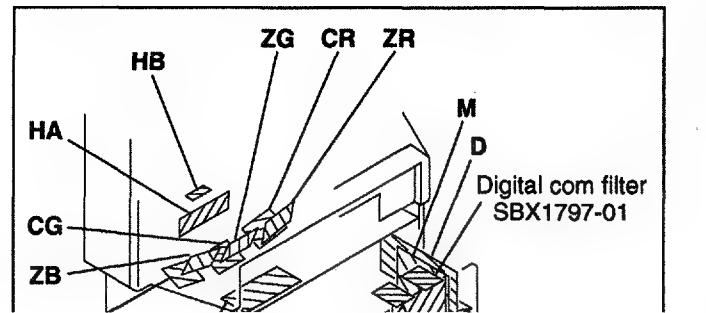
BLOCK DIAGRAMS (3)



BLOCK DIAGRAMS (4)



4-2. CIRCUIT BOARDS LOCATION

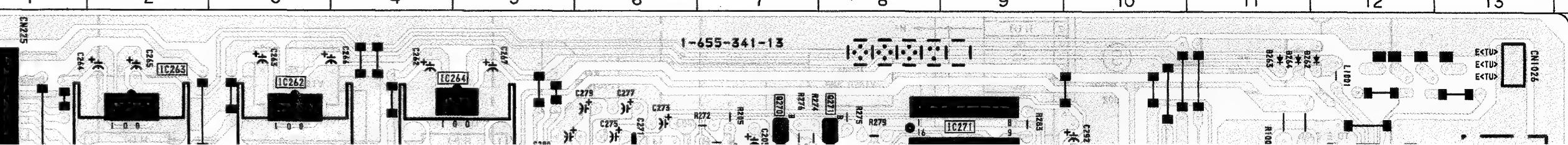


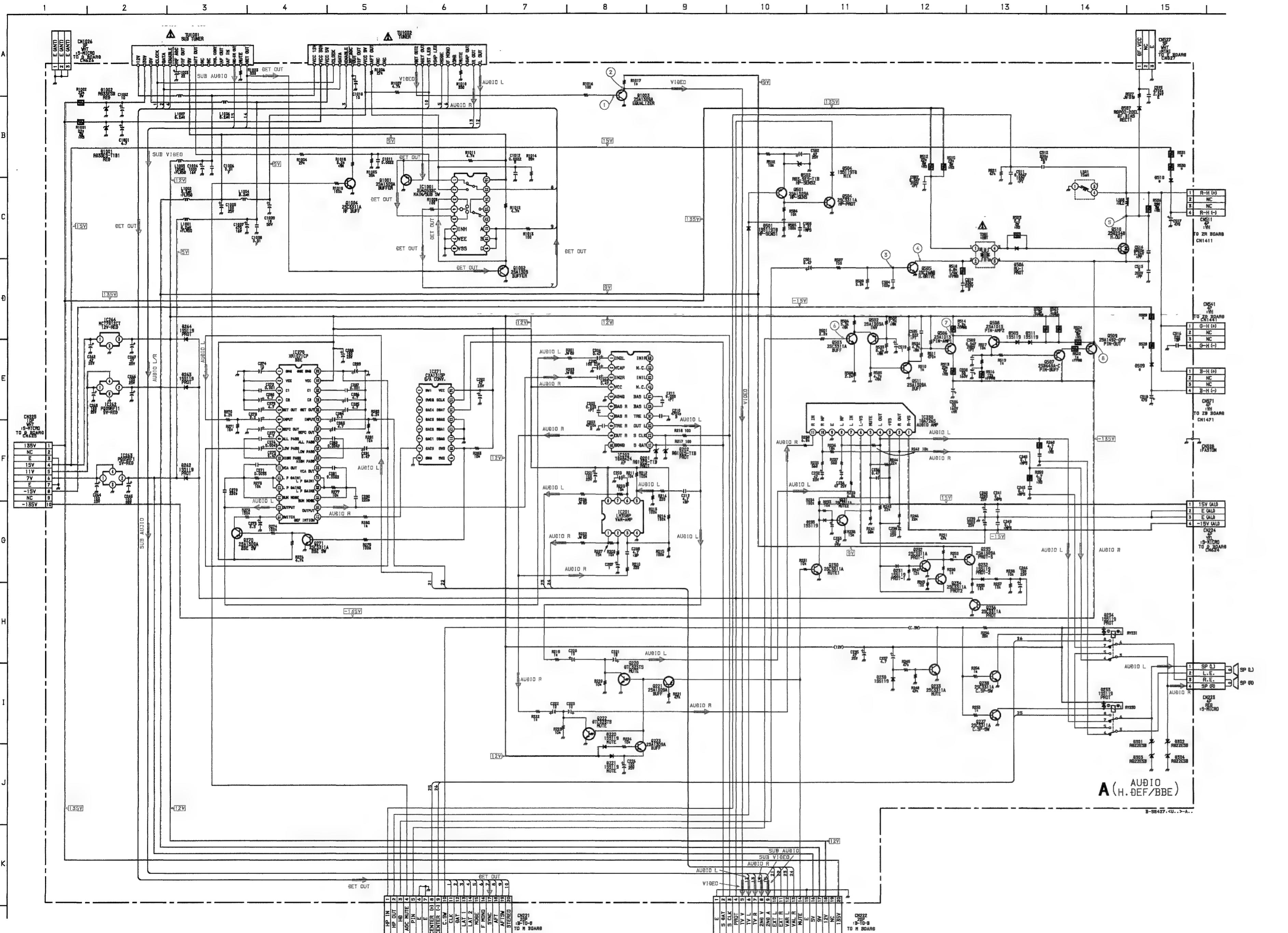
Reference information		
RESISTOR	: RN	METAL
	: RC	SOLID
	: FPRD	NONFR
	: FUSE	NONFR
	: RW	NONFR
	: RS	NONFR
	: RB	NONFR
	: *	ADJUST
OIL	: LF-8L	MICRO
CAPACITOR	: TA	TANTAL

ARD	- A
IC	
B - 9	
B - 7	
D - 8	
A - 3	
A - 2	
A - 5	
B - 6	
A - 9	
1 F - 11	

RD -

RD -





A BOARD IC VOLTAGE LIST

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
IC201	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
	2.6	2.6	4	GND	6	6.1	6	6.1	8	6.1	13	6.1	17	NC	12.0
IC202	6.0	6.0	5	GND	9	6.1	10	GND	14	6.1	18	NC			
	12.0	12.0	6	6.1	7	6.1	10	GND	11	4.6	15	6.1	19	NC	11.1
IC203	6.0	7	6.1	11	4.6	15	6.1	16	6.1	12	4.6	16	6.1	20	NC
	12.0	8	6.1	12	4.6	16	6.1	20	NC						
IC204	-16.3	4	0	7	0	10	0								
	0	5	10.6	8	0	11	0								
IC205	15.0	6	-16.3	9	GND										
IC206	11.0	2	9.0	3	GND	4	11.0								
IC207	7.0	2	5.0	3	GND	4	7.0								
IC208	15.0	2	GND	3	12.0										
IC209	3.2	8	15	22	29										
	6.9	9	16	23	30										
IC210	3.1	10	17	24	31	12.0									
	4.9	11	18	25	32										
IC211	6.4	12	GND	19	26										
	6.4	13	GND	20	27										
IC212	1.6	14	GND	21	28										
IC213	0	5	NC	9	NC	13	GND								
	0	6	NC	10	14										
IC214	0	7	11	GND	15										
	0	8	GND	12	GND	16	12.0								
IC1001	5	6	10	13	NC										
	6	7	GND	11	15										
IC1002	9.0	12	NC	16	9.0										
IC1003	5.6	13	GND	14	NC										
	0	14	0	15	5.1										

A BOARD TRANSISTOR VOLTAGE LIST

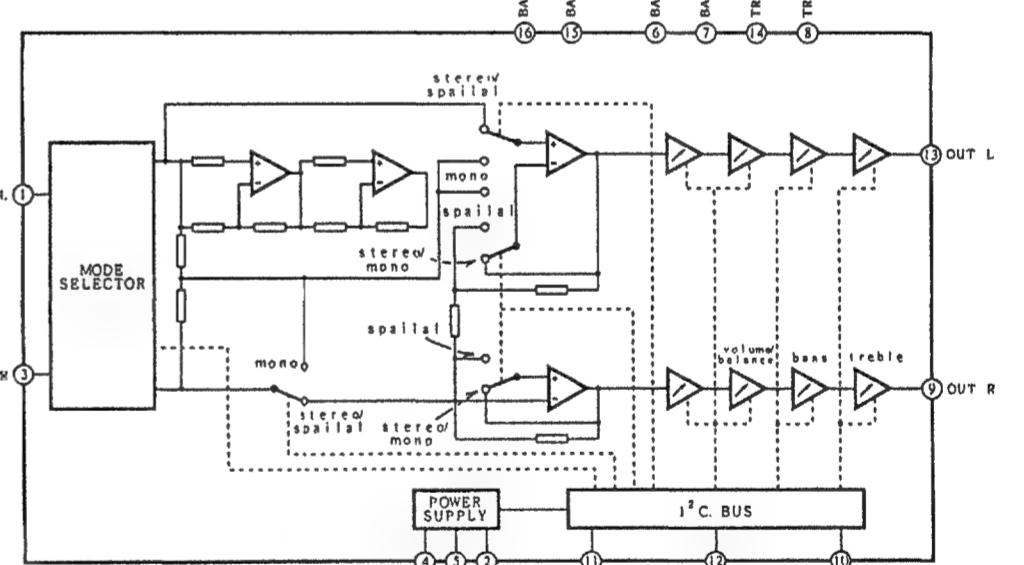
	E	C	B
Q220	GND	0	2.8
Q221	2.8	2.8	2.2
Q222	GND	0	2.8
Q223	11.9	2.8	11.1
Q230	GND	0	0.7
Q231	0	10.6	0
Q232	GND	9.0	0
Q233	GND	9.0	0
Q234	0	9.0	0
Q235	9.0	0	9.0
Q236	GND	4.6	0
Q237	GND	4.6	0
Q238	12.0	GND	
Q271	3.2	0	4.1
Q501	6.9	0.9	6.4
Q502	3.1	6.9	3.7
Q503	GND	4.9	0
Q504	GND	63.7	-0.7
Q505	2.1	-54.0	1.6
Q506	2.1	-124.3	-121.6
Q507	2.1	-122.9	-123.2
Q508	2.1	-137.3	-123.5
Q509	2.1	-122.9	0.9
Q510	1.6	GND	
Q511	1.6	GND	
Q1001	9.0	GND	
Q1002	9.0	GND	
Q1003	5.6	GND	5.1
Q1004	0	0	0

A BOARD * MARK

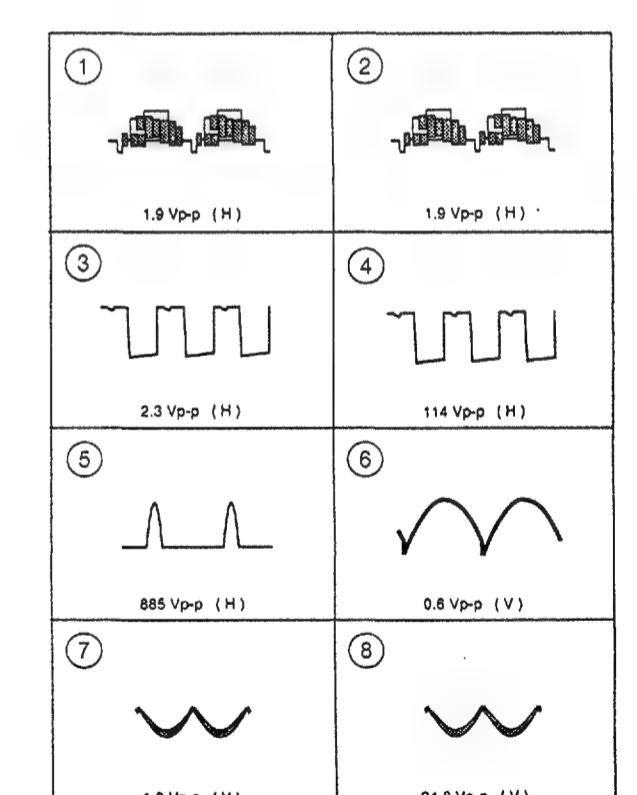
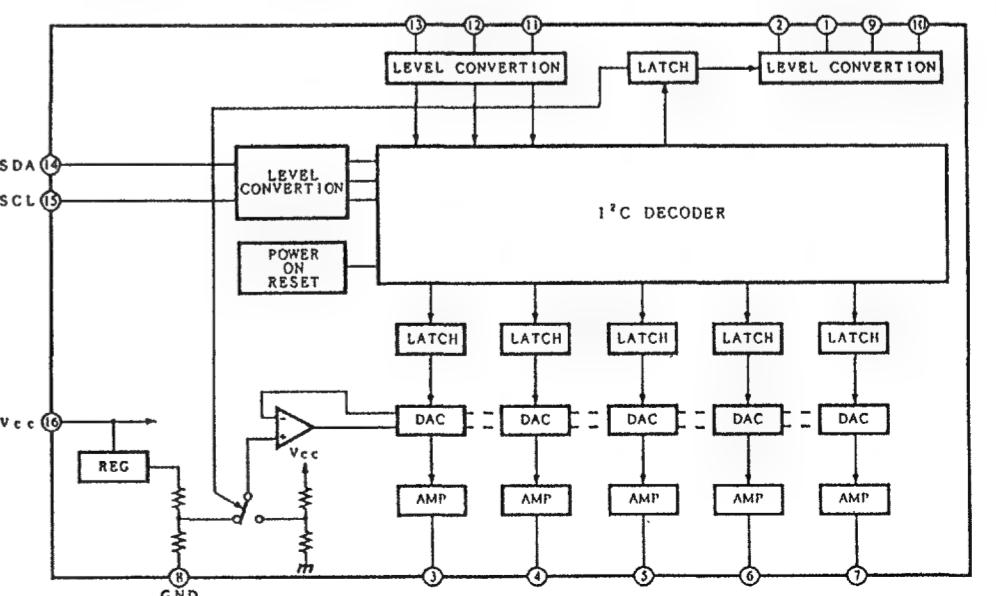
Ref. No.	KP-46V35 (U/C)	KP-53V35 (US)	KP-61V35 (US)
D509	V09G	V09G	-
D510	V09G	V09G	-
R528	270 3W	270 3W	-
R529	270 3W	270 3W	-
R530	270 3W	270 3W	-
R531	270 3W	270 3W	-

- : NOT MOUNT

A BOARD IC202 TDA8424



A BOARD IC201 LM358P



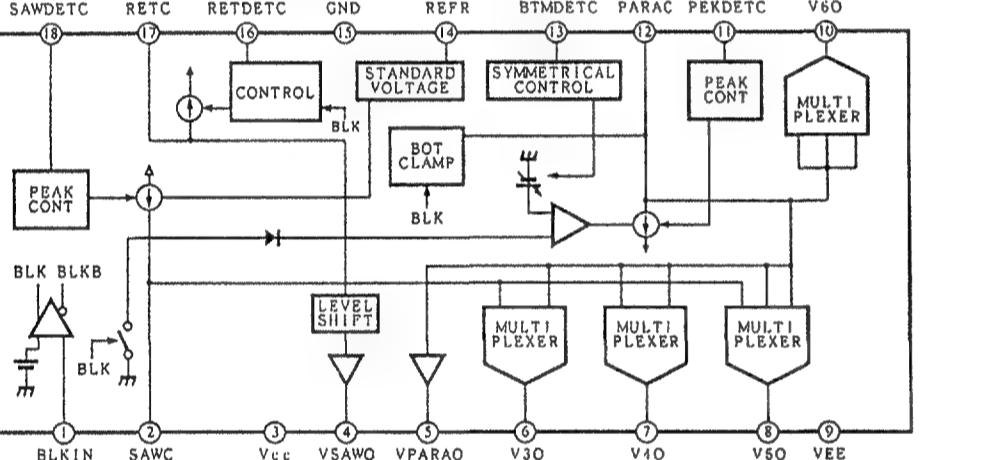
D BOARD IC VOLTAGE LIST ALL VOLTAGES ARE IN V

	1.5	3 -13.8	5 0.3	7 15
IC1501	2 15.0	4 -15.0	6 15.0	
IC1601	1 -13.3	6 0.4	11 14.2	16 -15.0 21 0
	2 -13.3	7 0.4	12 -14.3	17 -15.0 22 0
	3 -13.3	8 GND	13 -14.3	18 15.0
	4 0	9 0	14 14.2	19 -15.0
	5 0	10 0	15 15.0	20 0
IC1602	1 -13.3	6 -0.1	11 14.2	16 -15.0 21 -0.9
	2 -13.3	7 -0.1	12 -14.3	17 -15.0 22 0.3
	3 -13.3	8 GND	13 -14.3	18 15.0
	4 0.2	9 -0.5	14 14.2	19 -15.0
	5 0.2	10 -0.5	15 15.0	20 -0.2
IC1701	1 NC	15 NC	29 NC	43 0 57 NC
	2 NC	16 NC	30 0.7	44 0 58 NC
	3 NC	17 NC	31 0.3	45 NC 59 NC
	4 NC	18 NC	32 GND	46 GND 60 NC
	5 NC	19 NC	33 NC	47 GND 61 GND
	6 NC	20 NC	34 2.7	48 GND 62 GND
	7 NC	21 5.1	35 2.5	49 NC 63 5.0
	8 NC	22 NC	36 5.2	50 NC 64 5.0
	9 NC	23 NC	37 NC	51 NC
	10 NC	24 3.2	38 NC	52 NC
	11 NC	25 NC	39 0	53 NC
	12 NC	26 NC	40 0	54 4.7
	13 NC	27 NC	41 0	55 NC
	14 NC	28 NC	42 0	56 4.6
IC1702	1 5.2	2 5.0	3 GND	
IC1801	1 0	10 3.4	19 0	28 0 37 0
	2 -0.9	11 5.1	20 -0.5	29 0 38 0
	3 0	12 0.7	21 5.0	30 0 39 0
	4 -1.1	13 3.2	22 0	31 3.2 40 0.2
	5 0	14 -2.1	23 1.5	32 0.7 41 0
	6 -0.4	15 0	24 0	33 5.2 42 GND
	7 GND	16 -0.9	25 0	34 3.4
	8 5.2	17 0	26 0	35 0
	9 -5.0	18 -0.9	27 0	36 0
IC1802	1 0.8	5 -0.9	9 -5.0	13 0.4 17 1.3
	2 1.2	10 0.3	14 1.3	18 -1.6
	3 5.0	7 -1.1	11 0.6	15 GND
	4 0	8 0	12 -0.9	16 -1.7

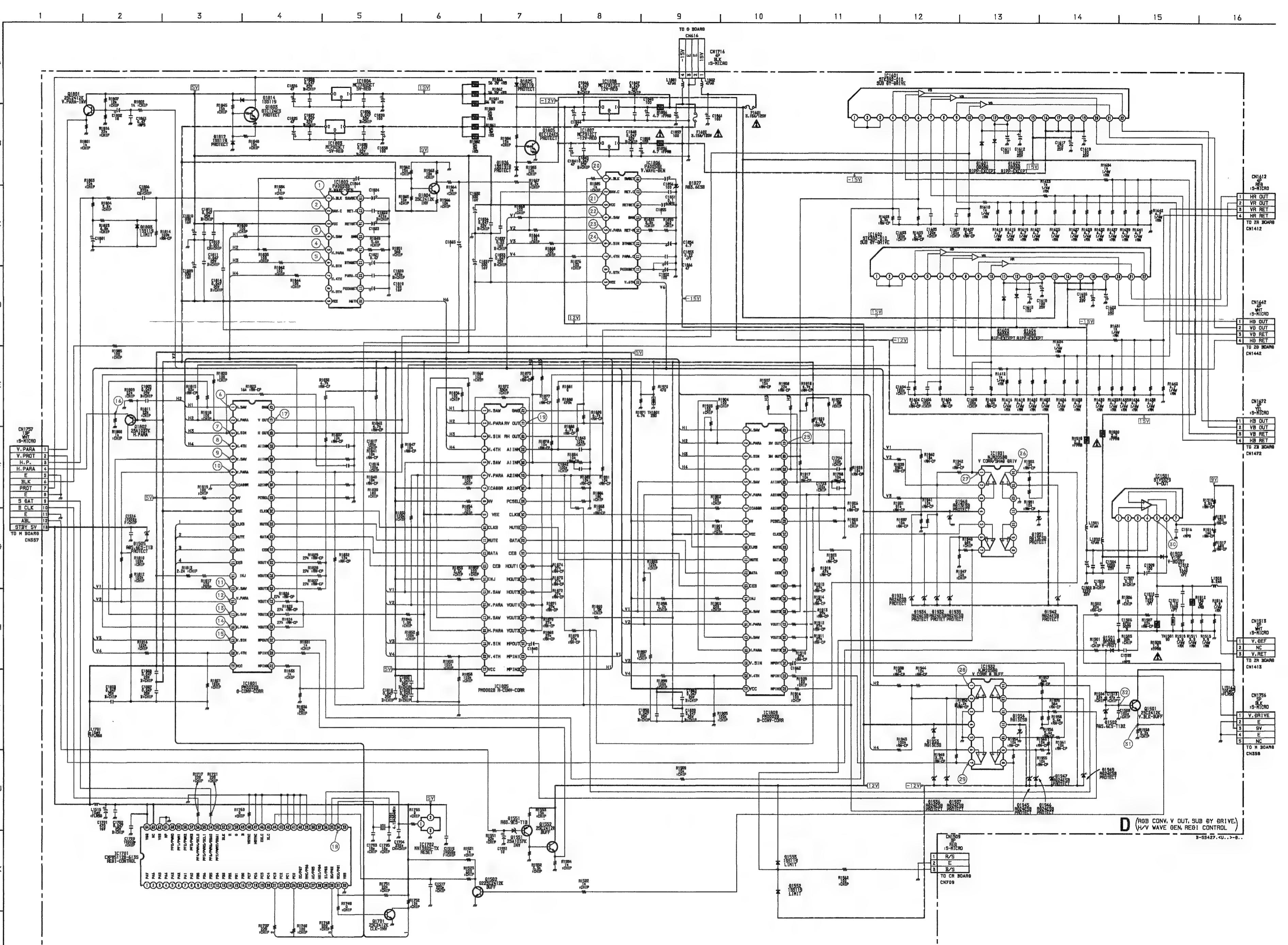
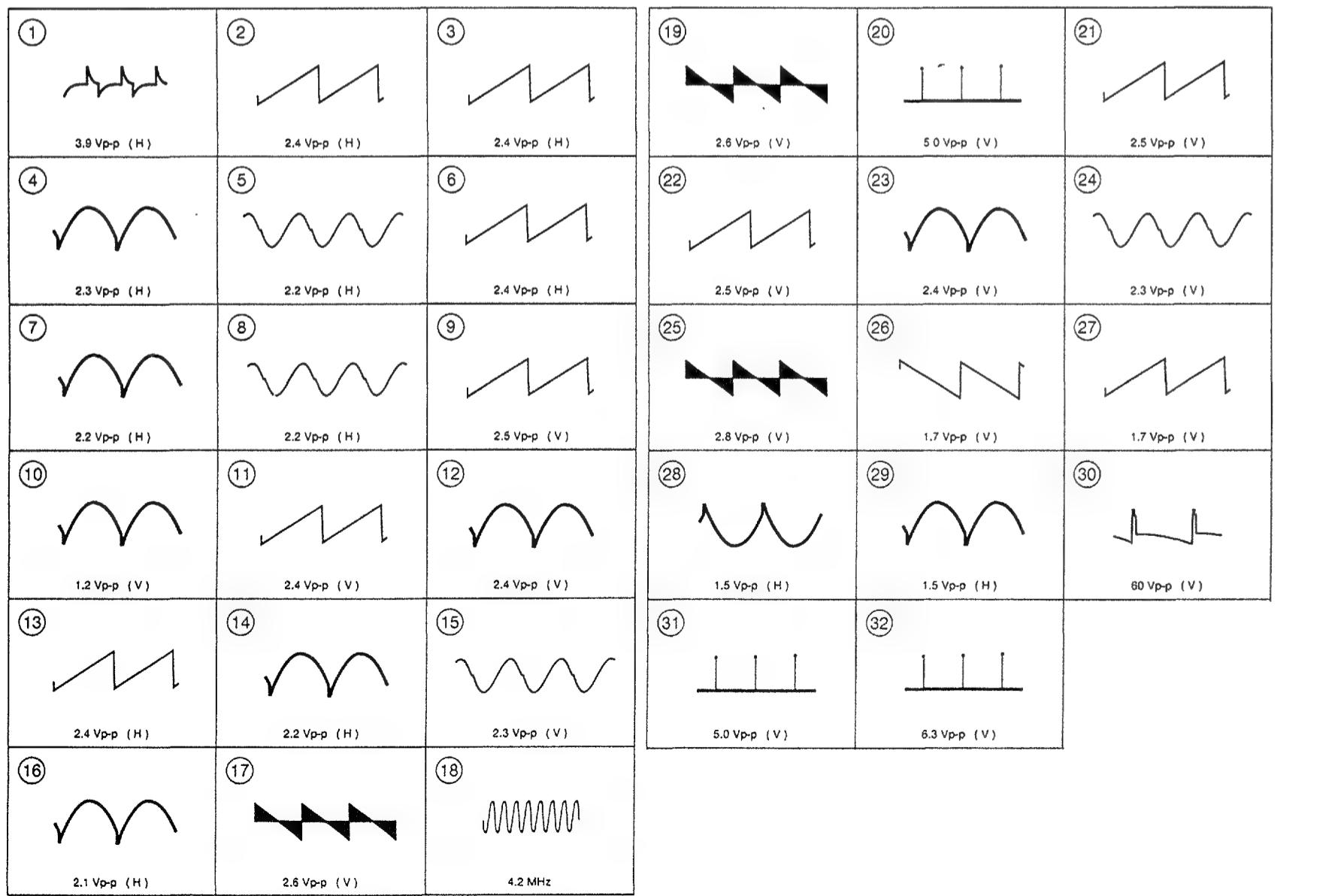
D BOARD TRANSISTOR VOLTAGE LIST

E	C	B
Q1501	0.2	9.0 -0.5
Q1551	4.0	2.1 3.4
Q1652	1.5	1.0 2.1
Q1701	GND	3.5 0.3
Q1801	2.6	5.0 3.2
Q1802	-2.5	-5.0 -3.1
Q1803	GND	4.8 0
Q1804	-0.3	0 -0.9
Q1805	GND	4.8 0

D BOARD IC1802 PA0053B



D BOARD WAVEFORMS



Schematic diagram

◀ A board

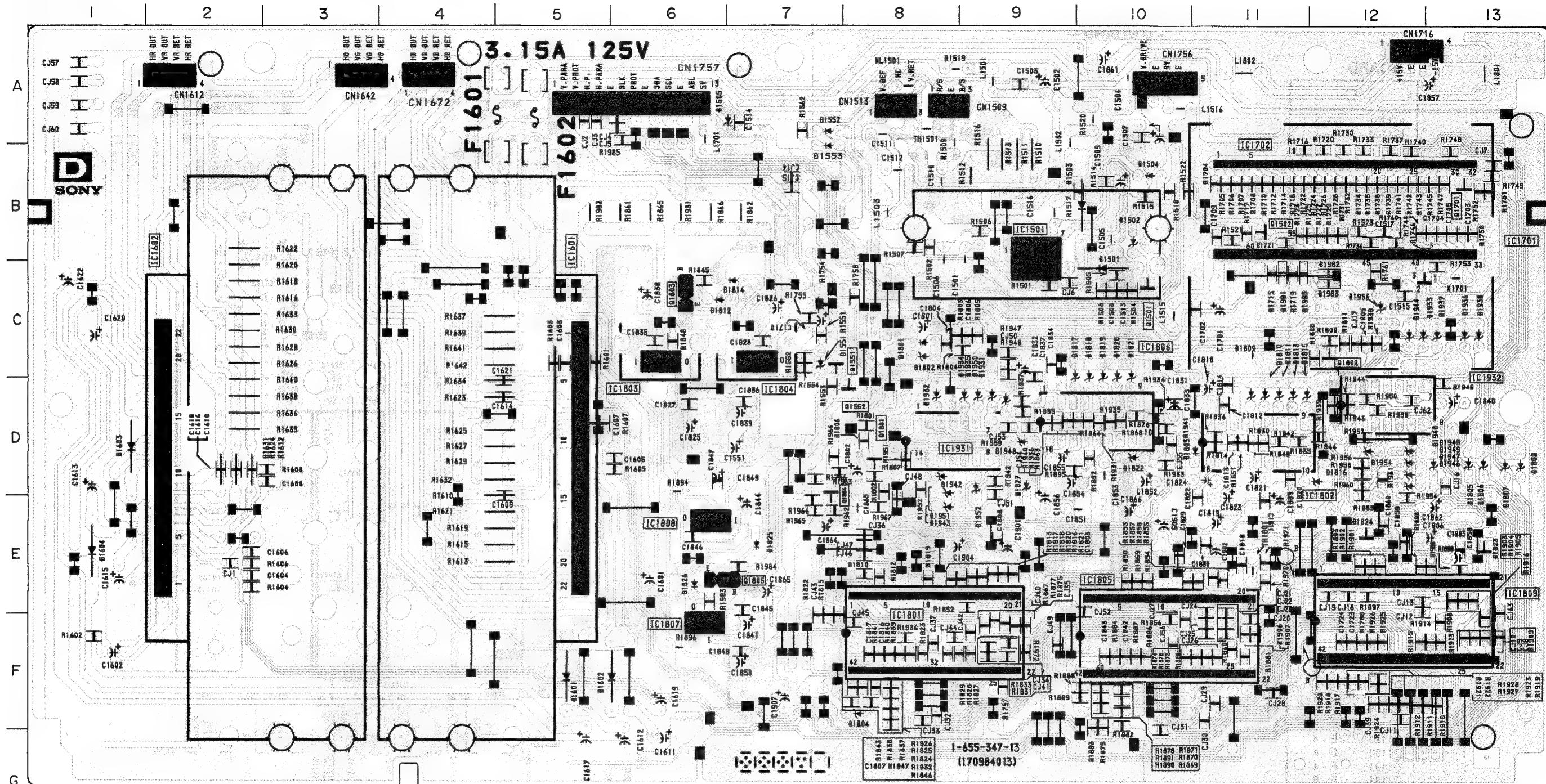
- 45 -

Schematic diagram

▶ D board

D [RGB CONV, V OUT, SUB DY DRIVE,
H/V WAVE GEN, REGI CONTROL]

- D BOARD -



D BOARD

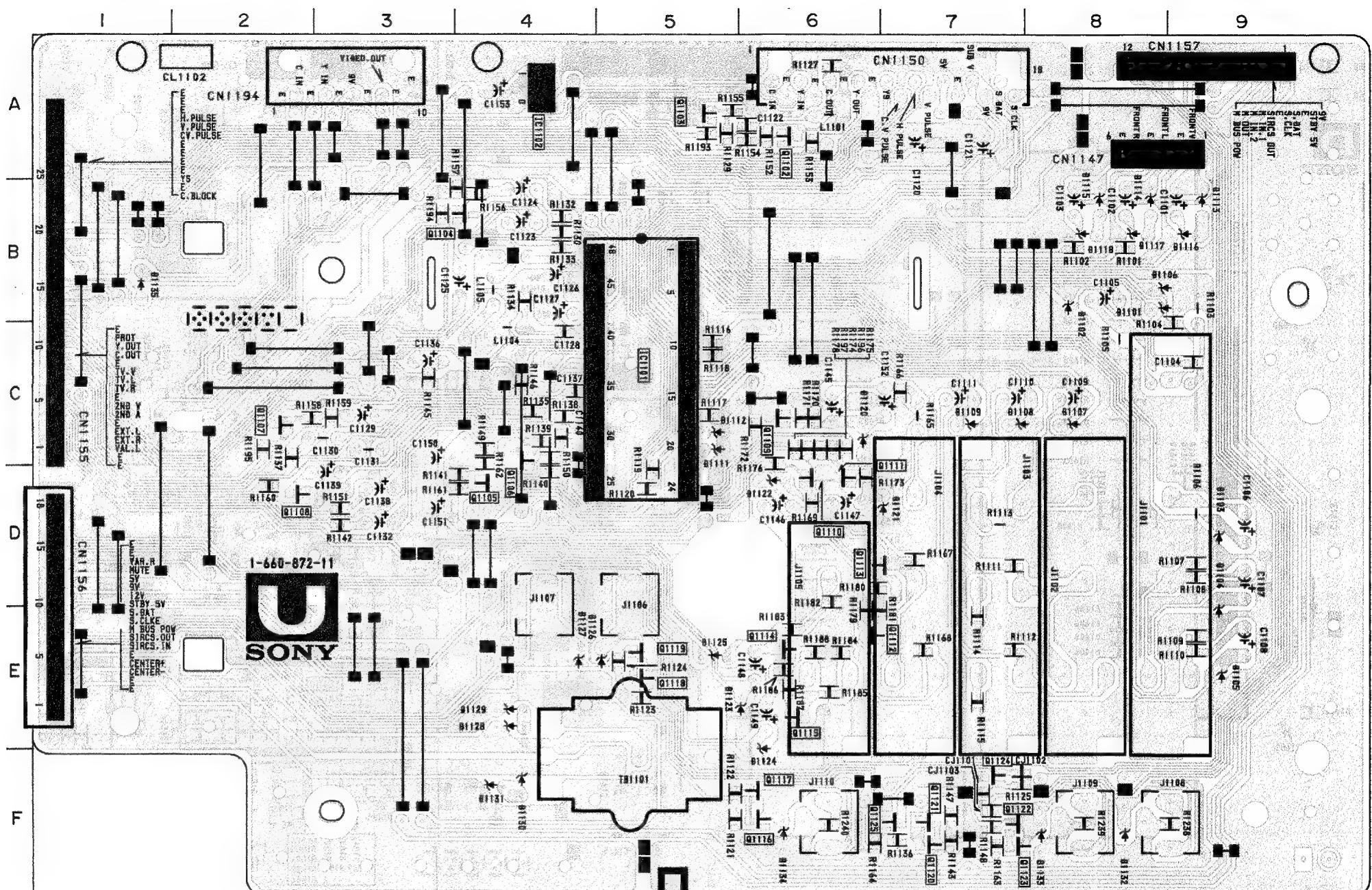
IC		IC1807	F - 7	Q1802	C - 12	D1601	F - 5	D1935	D - 9
		IC1808	E - 7	Q1803	C - 6	D1602	F - 6	D1936	C - 13
IC1501	C - 9	IC1809	F - 12	Q1804	E - 8	D1603	D - 2	D1937	C - 13
IC1601	C - 5	IC1931	D - 9	Q1805	E - 7	D1604	E - 1	D1942	E - 9
IC1602	D - 2	IC1932	D - 13	DIODE		D1803	D - 11	D1945	D - 13
IC1701	B - 12	TRANSISTOR		D1501	C - 10	D1812	C - 7	D1946	E - 13
IC1702	C - 12			D1502	B - 10	D1814	C - 7	D1947	E - 13
IC1801	F - 9	Q1501	C - 10	D1503	B - 10	D1825	E - 7	D1948	D - 9
IC1802	D - 12	Q1502	B - 11	D1505	A - 6	D1826	E - 6	D1949	D - 13
IC1803	D - 6	Q1551	D - 8	D1551	D - 8	D1827		D1951	E - 9
IC1804	D - 7	Q1552	D - 8	D1552	B - 8	D1931	D - 9	D1953	C - 12
IC1805	F - 10	Q1701	B - 13	D1553	B - 8	D1932	D - 9	D1954	D - 12
IC1806	D - 10	Q1801	D - 8	D1934	B - 8	D1934	D - 9		

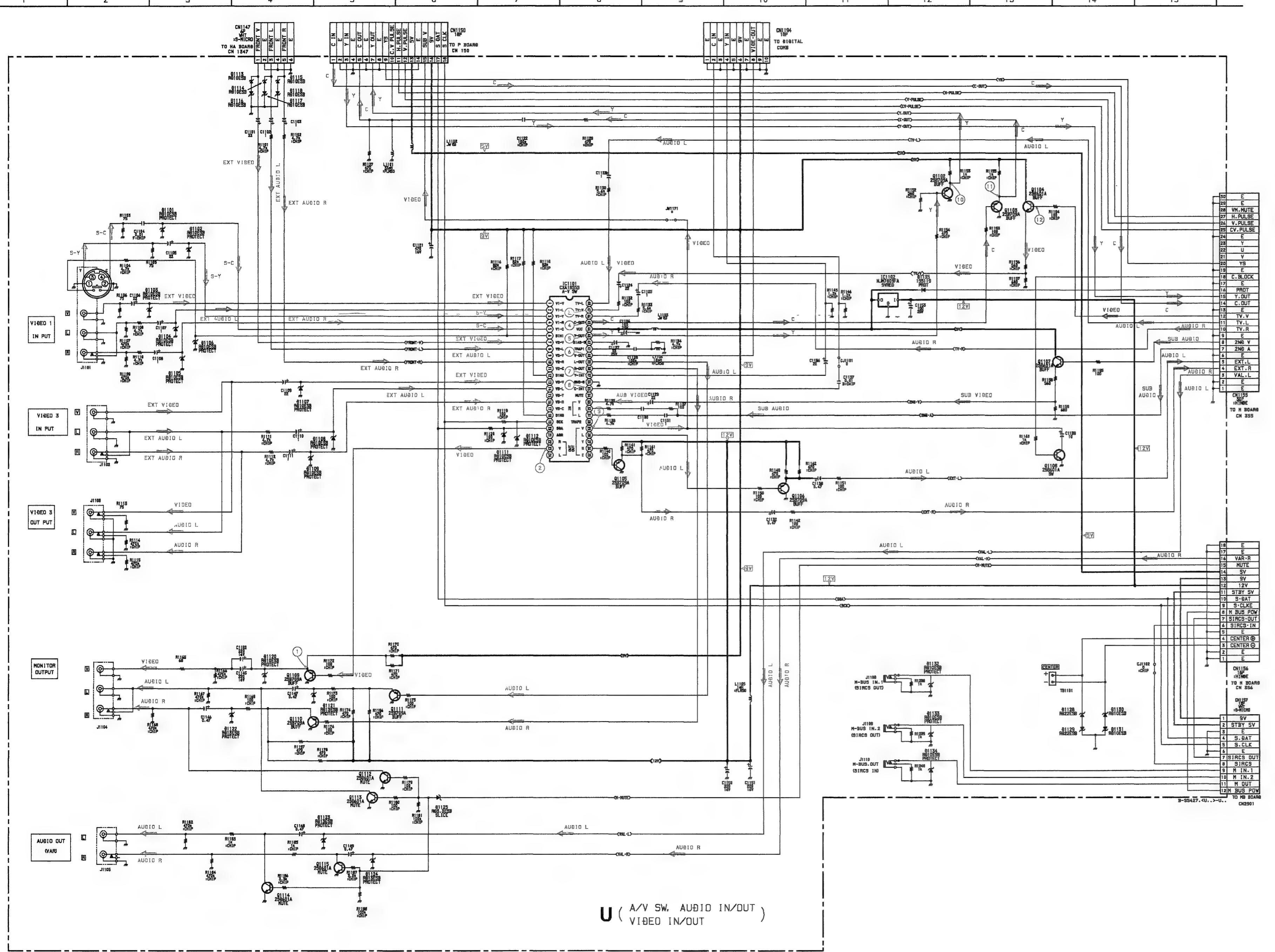
U [COM FILTER, AV, SW,
VIDEO OUT, AUDIO OUT]

- U BOARD -

U BOARD

IC	
IC1101	C - 5
IC1102	A - 4
TRANSISTOR	
Q1102	A - 6
Q1103	A - 5
Q1104	B - 4
Q1105	D - 4
Q1106	D - 4
Q1107	C - 2
Q1108	D - 2
Q1109	C - 6
Q1110	D - 6
Q1111	D - 6
Q1112	E - 7
Q1113	D - 7
Q1114	E - 6
Q1115	E - 6
DIODE	
D1101	B - 8
D1102	B - 8
D1103	D - 9
D1104	D - 9
D1105	E - 9
D1106	B - 8
D1107	C - 8
D1108	C - 7
D1109	C - 7
D1111	C - 5
D1112	C - 5
D1113	B - 9
D1114	B - 8
D1115	B - 8
D1116	B - 9
D1117	B - 8
D1118	B - 8
D1120	C - 6
D1121	D - 7
D1122	D - 6
D1123	E - 6
D1124	F - 6
D1125	E - 5
D1128	E - 4
D1129	E - 4
D1130	F - 4
D1131	F - 4
D1132	F - 8
D1133	F - 8
D1134	F - 6
D1135	B - 1

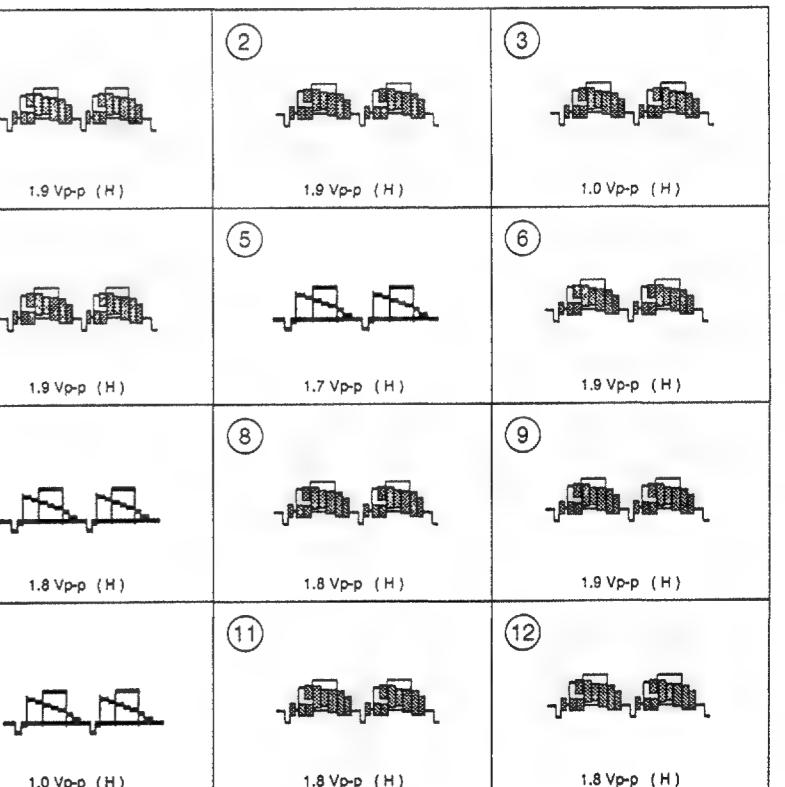
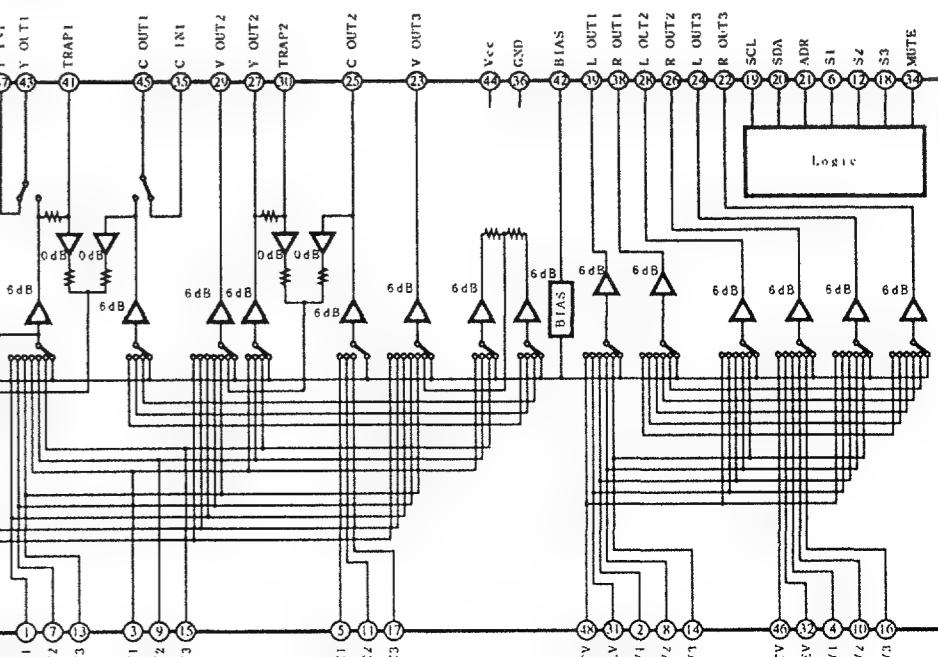


**U BOARD IC VOLTAGE LIST**

IC1101	1	4.7	11	NC	21	4.7	41	4.7
	2	4.7	12	5.0	22	4.7	42	4.7
	3	4.7	13	4.7	23	4.6	33	4.7
	4	4.7	14	4.7	24	NC	43	4.4
	5	4.7	15	NC	25	NC	34	NC
	6	5.0	16	4.7	26	4.8	35	4.7
	7	3.6	17	NC	27	NC	36	GND
	8	4.7	18	5.0	28	4.8	37	4.7
	9	NC	19	4.6	29	4.6	38	4.8
	10	4.7	20	4.6	30	4.7	39	4.8
					40	4.6		

U BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q1102	3.1	GND	2.5
Q1103	5.3	GND	4.7
Q1104	5.1	9.0	5.8
Q1105	5.4	GND	4.8
Q1106	5.4	GND	4.8
Q1107	0	9.0	-0.3
Q1108	GND	0.9	-1.1
Q1109	5.3	GND	4.6
Q1110	5.4	GND	4.8
Q1111	5.4	GND	4.8
Q1112	GND	0	0
Q1113	GND	0	0
Q1114	GND	0	0
Q1115	GND	0	0

U BOARD WAVEFORMS**U BOARD IC 1101 CXA1855S**

M BOARD IC VOLTAGE LIST

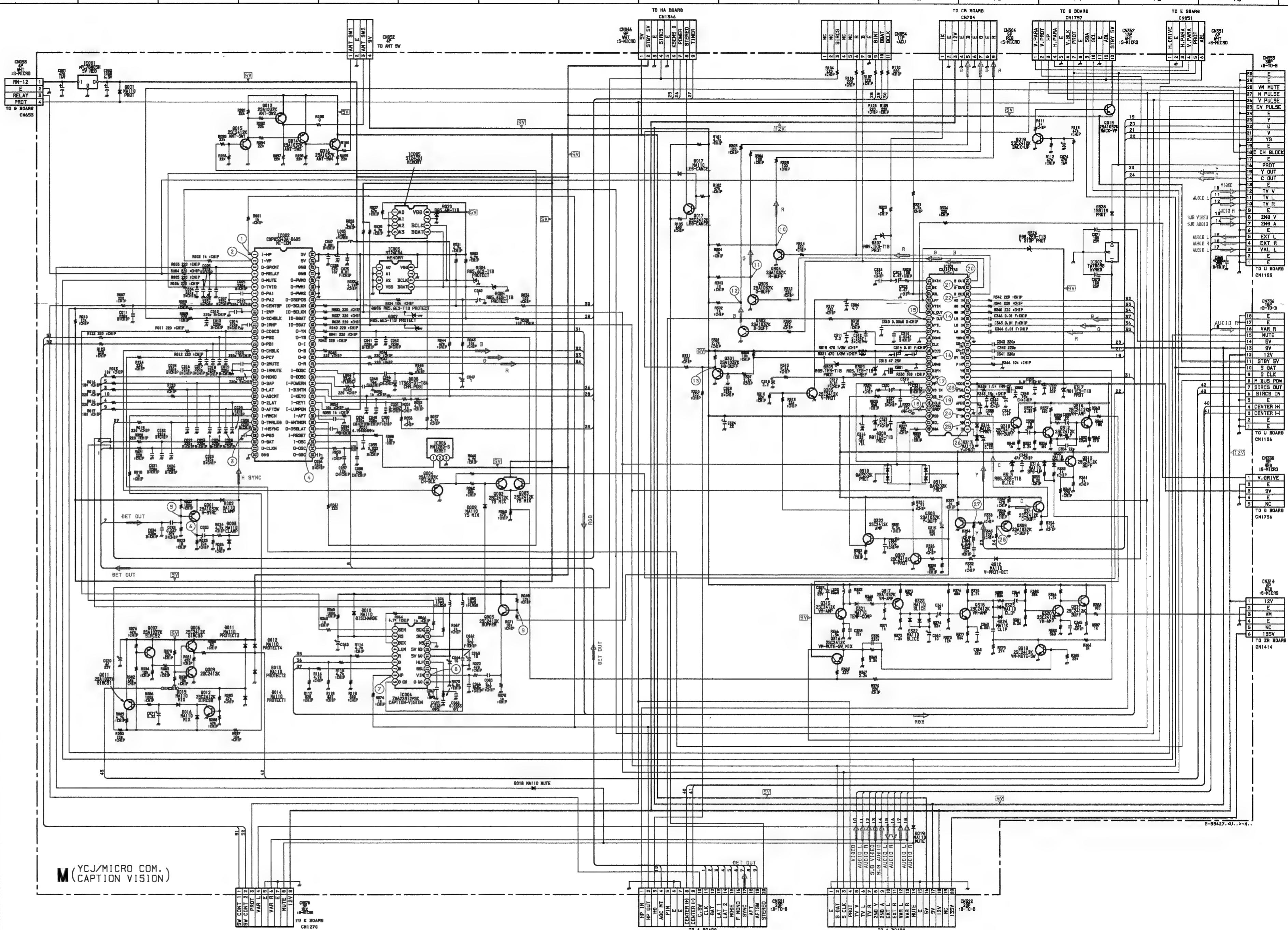
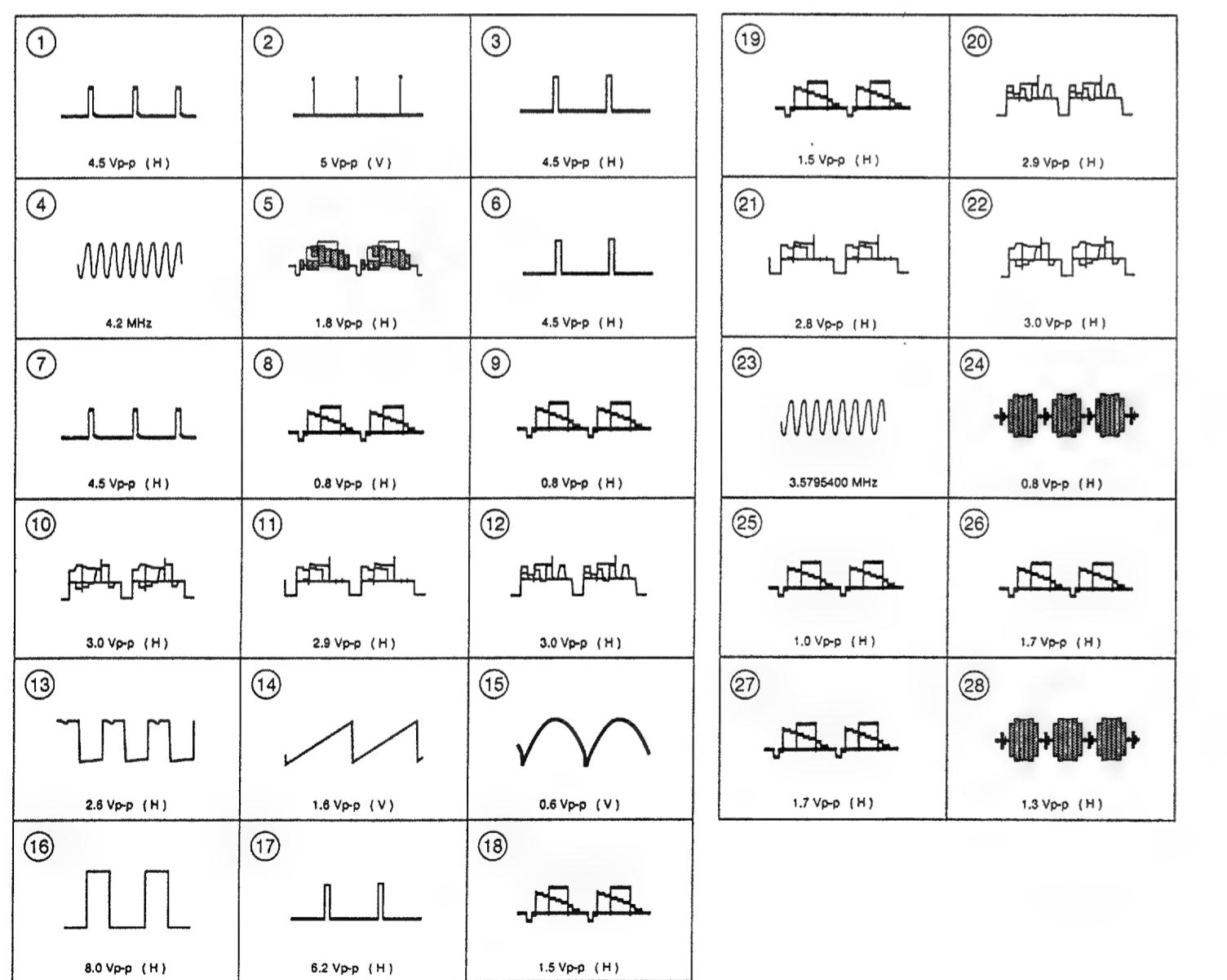
ALL VOLTAGES ARE IN V

I BOARD TRANSISTOR VOLTAGE LIST

IC001	1	12.0	2	GND	3	5.0				
IC002	1	0.8	15	0	29	0	43	5.1	57	3.2
	2	0.2	16	0	30	5.0	44	5.1	58	GND
	3	4.8	17	0	31	5.0	45	3.0	59	GND
	4	4.5	18	5.1	32	GND	46	3.0	60	GND
	5	0	19	0	33	0	47	0	61	GND
	6	5.2	20	0	34	2.6	48	0	62	GND
	7	5.1	21	0	35	2.3	49	0	63	5.0
	8	0	22	0	36	5.1	50	NC	64	5.0
	9	0	23	0	37	0	51	0		
	10	5.1	24	0	38	5.1	52	0		
	11	0	25	0	39	2.3	53	4.6		
	12	0	26	5.1	40	GND	54	4.6		
	13	0	27	5.1	41	5.1	55	4.6		
	14	0	28	0	42	5.1	56	4.6		
IC003	1	GND	3	GND	5	4.6	7	GND		
	2	GND	4	GND	6	4.6	8	5.0		
IC004	1	0	5	0	9	GND	13	2.2	17	5.0
	2	5.0	6	0	10	GND	14	5.0	18	5.0
	3	0	7	0	11	1.8	15	5.0		
	4	NC	8	0.9	12	1.7	16	GND		
IC005	1	GND	3	GND	5	4.6	7	GND		
	2	5.1	4	GND	6	4.6	8	5.0		
IC006	1	6.1	2	5.2	3	GND				
IC301	1	4.4	11	0	21	0	31	3.7	41	3.4
	2	7.4	12	5.0	22	1.7	32	3.0	42	3.6
	3	5.4	13	5.7	23	1.7	33	3.7	43	3.0
	4	GND	14	5.7	24	1.6	34	GND	44	GND
	5	4.1	15	GND	25	5.4	35	4.7	45	3.6
	6	5.5	16	6.0	26	NC	36	5.1	46	9.0
	7	2.5	17	6.0	27	*	37	4.0	47	4.6
	8	9.0	18	6.0	28	8.9	38	GND	48	4.6
	9	0	19	6.0	29	NC	39	2.5		
	10	0	20	0	30	3.0	40	4.3		
IC302	1	6.0	2	GND	3	9.0				

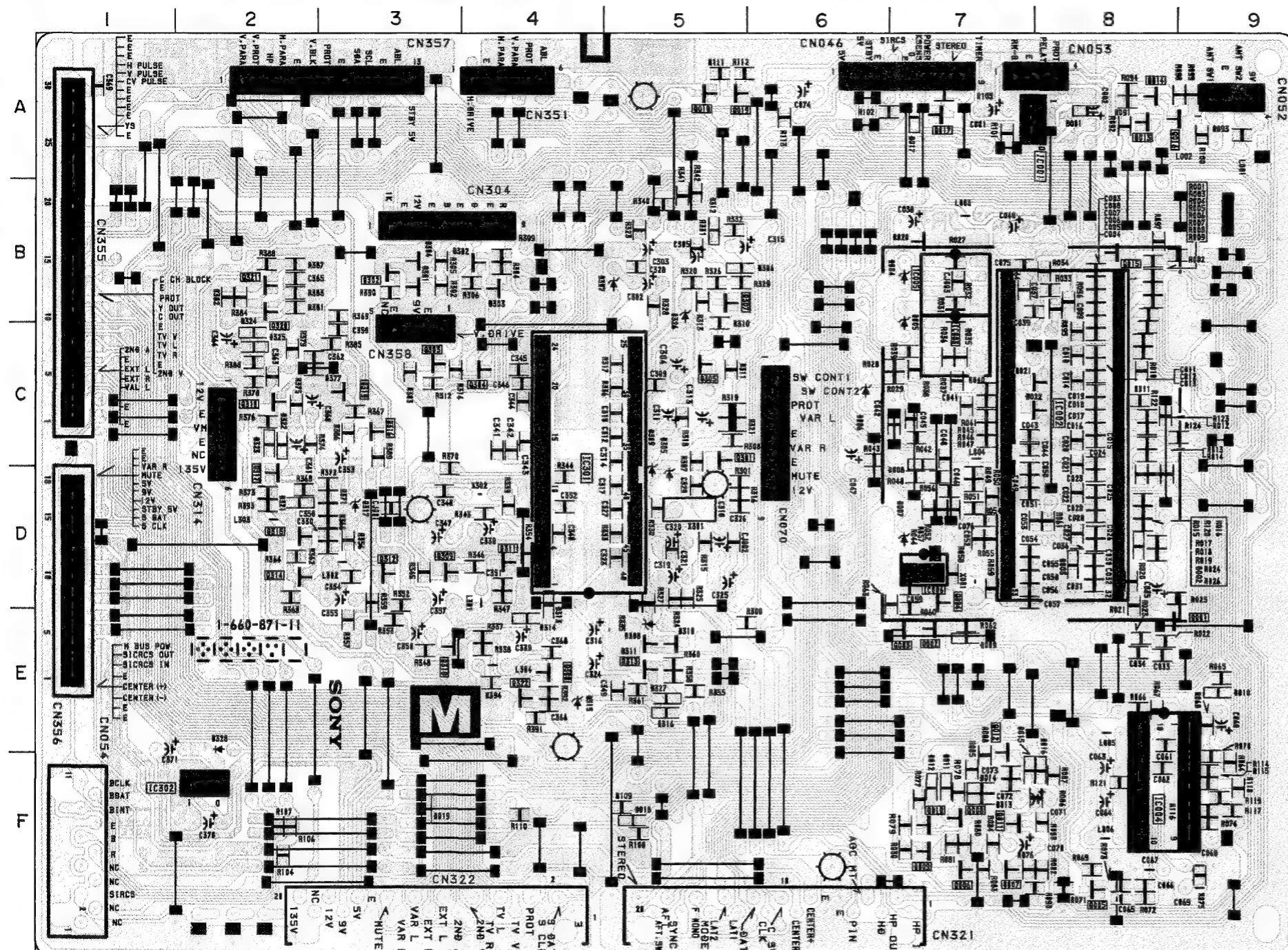
	E	C	B
Q001	5.0	0.8	5.3
Q002	0	5.0	0.7
Q003	0	5.0	0
Q004	0.7	GND	0
Q005	3.4	5.0	4.2
Q006	0	5.2	0.7
Q007	5.2	0	5.1
Q008	0	0	5.1
Q009	GND	5.2	0
Q010	0	0	5.1
Q011	5.2	5.1	4.8
Q012	GND	5.0	0
Q013		5.0	
Q014	5.0		
Q015	GND		
Q016	5.0		
Q017	9.0	5.3	5.7
Q018	5.0	5.0	4.4
Q019	GND	0.2	0.7
Q301	2.7	GND	4.1
Q302	2.6	GND	1.9
Q303	2.6	GND	1.9
Q304	2.6	GND	1.9
Q305	GND	8.9	0
Q307	GND	0	0.7
Q308	3.1	GND	2.3
Q309	4.0	GND	3.4
Q310	6.8	9.0	7.4
Q311	5.4	9.0	6.1
Q312	1.5	7.6	2.2
Q313	0.9	9.0	0.4
Q314	0.9	6.0	1.5
Q315	5.3	9.0	6.0
Q316	0	9.0	0
Q317	8.2	3.7	7.6
Q318	0.7	5.9	1.4
Q319	GND	0.3	0
Q320	1.2	6.1	1.8
Q321	5.4	9.0	6.1
Q322	2.5	9.0	3.2

M BOARD WAVEFORMS



(YCJ/MICRO COM.)
(CAPTION VISION)

- M BOARD -



M BOARD

IC		Q319	C - 3
IC001	A - 8	Q320	C - 2
IC002	C - 8	Q321	B - 2
IC003	C - 7	Q322	E - 4
IC004	F - 8		DIODE
IC005	B - 7	D001	A - 8
IC006	D - 7	D002	D - 8
IC301	D - 4	D003	D - 8
IC302	F - 2	D004	B - 7
TRANSISTOR		D005	C - 7
Q001	E - 9	D006	C - 6
Q002	E - 7	D007	D - 7
Q003	E - 7	D008	D - 7
Q004	D - 7	D009	E - 7
Q005	F - 8	D010	E - 9
Q006	F - 7	D011	F - 7
Q007	F - 7	D012	F - 7
Q009	F - 7	D013	F - 7
Q011	F - 7	D014	F - 7
Q012	E - 7	D015	F - 7
Q013	A - 8	D016	F - 8
Q014	A - 8	D017	A - 7
Q015	B - 8	D018	F - 5
Q016	A - 8	D019	F - 3
Q017	A - 7	D020	B - 7
Q018	A - 5	D305	C - 5
Q019	A - 5	D307	B - 5
Q301	C - 5	D308	E - 5
Q302	B - 3	D309	C - 5
Q303	C - 3	D310	E - 5
Q304	C - 4	D311	E - 5
Q305	C - 5	D312	B - 5
Q307	B - 5	D313	E - 4
Q308	E - 4	D314	E - 4
Q309	D - 3	D315	E - 4
Q310	E - 3	D316	E - 5
Q311	D - 4	D317	D - 3
Q312	D - 3	D321	D - 2
Q313	E - 5	D322	C - 2
Q314	D - 2	D323	C - 2
Q315	D - 2	D324	C - 2
Q316	C - 3	D325	C - 2
Q317	D - 2	D326	B - 5
Q318	C - 2	D327	E - 5
		D328	E - 2

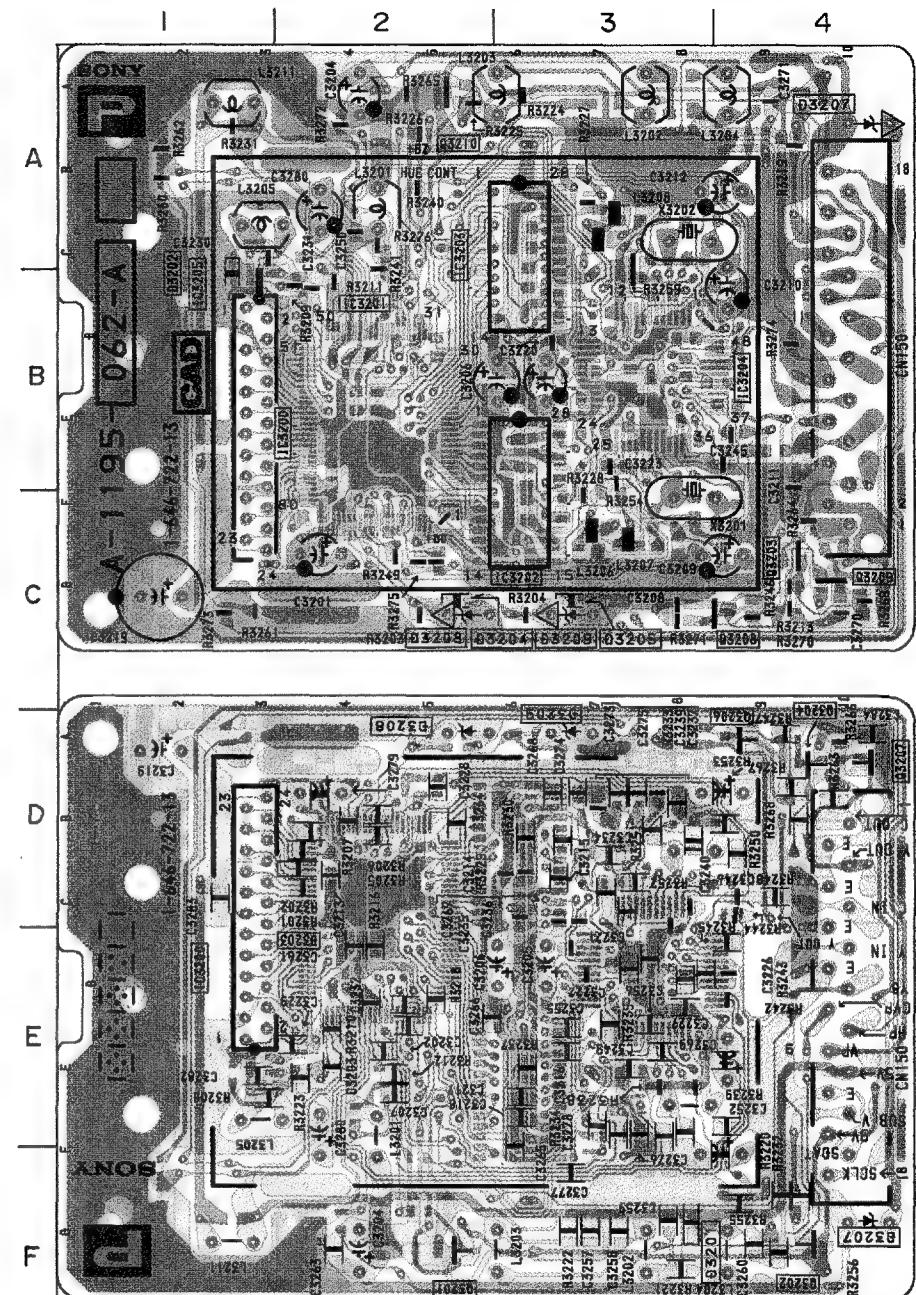
P

[PICTURE IN PICTURE]

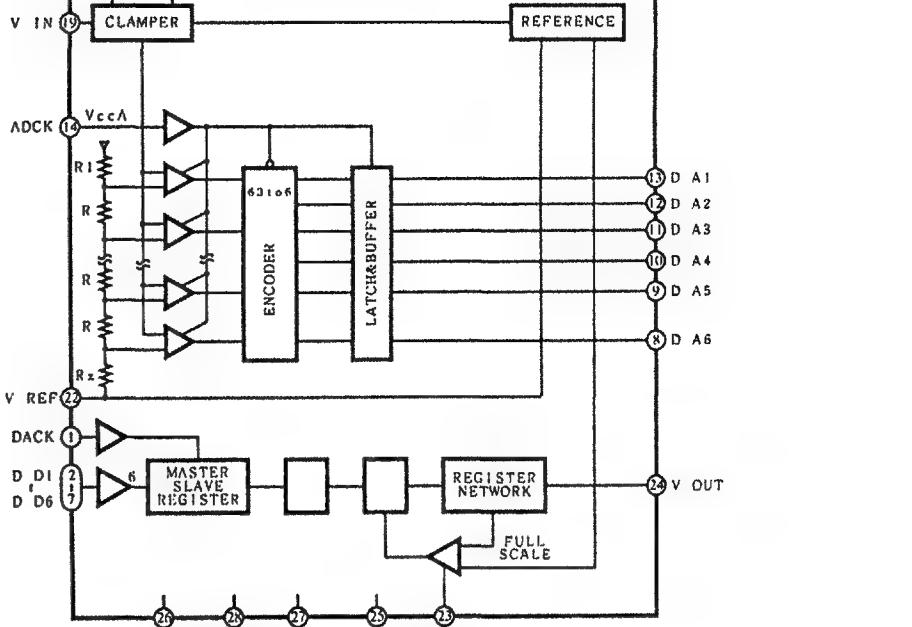
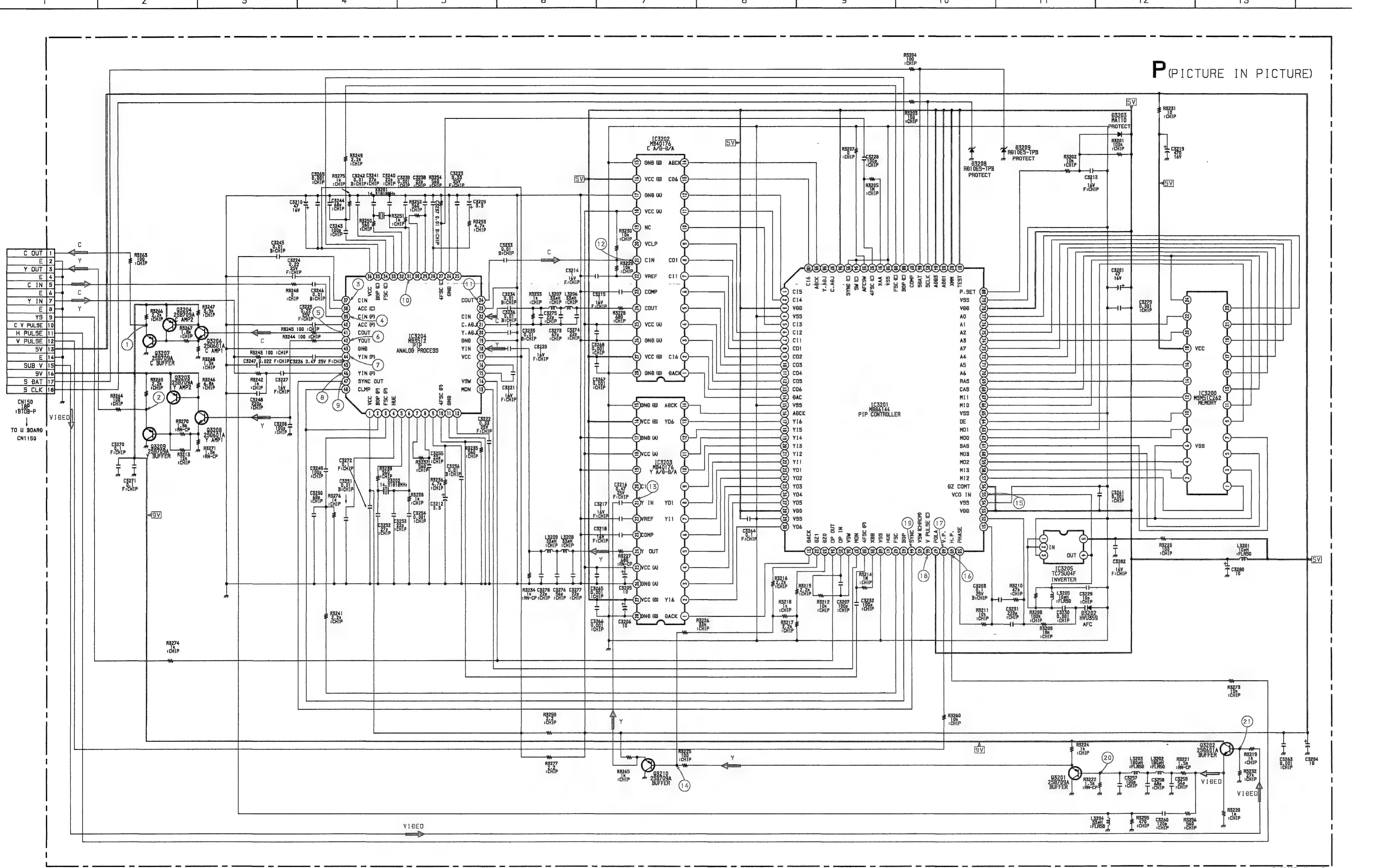
- P BOARD -

P BOARD

IC	
IC3200	E - 1
IC3201	B - 2
IC3202	C - 3
IC3203	B - 3
IC3204	B - 3
IC3205	B - 1
TRANSISTOR	
Q3201	F - 2
Q3202	F - 4
Q3203	C - 4
Q3204	D - 4
Q3206	D - 4
Q3207	D - 4
Q3208	C - 3
Q3209	C - 4
Q3210	A - 2
DIODE	
D3202	B - 1
D3203	D - 2
D3208	D - 2
D3209	D - 3



- : Pattern from the side which enables seeing.
- : Pattern of the rear side.

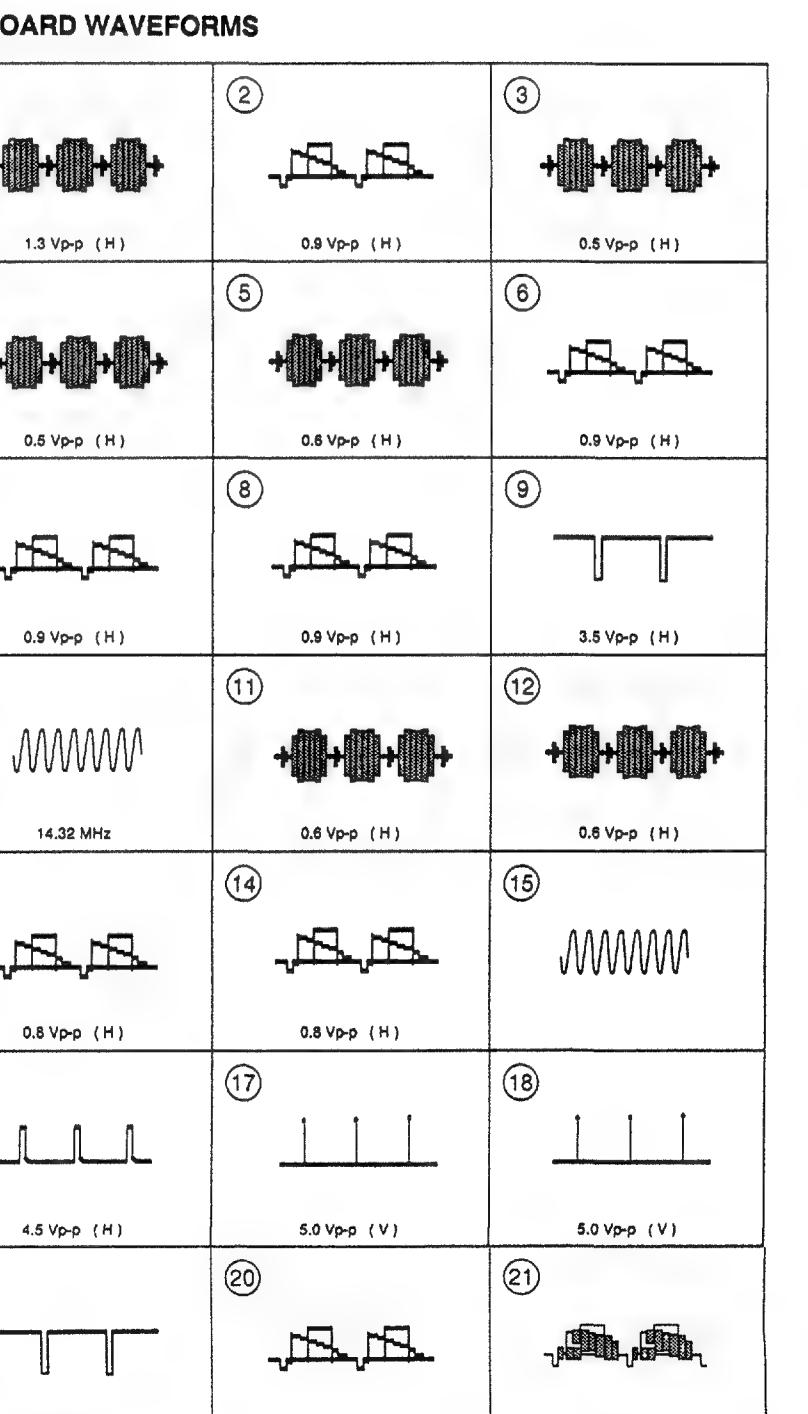


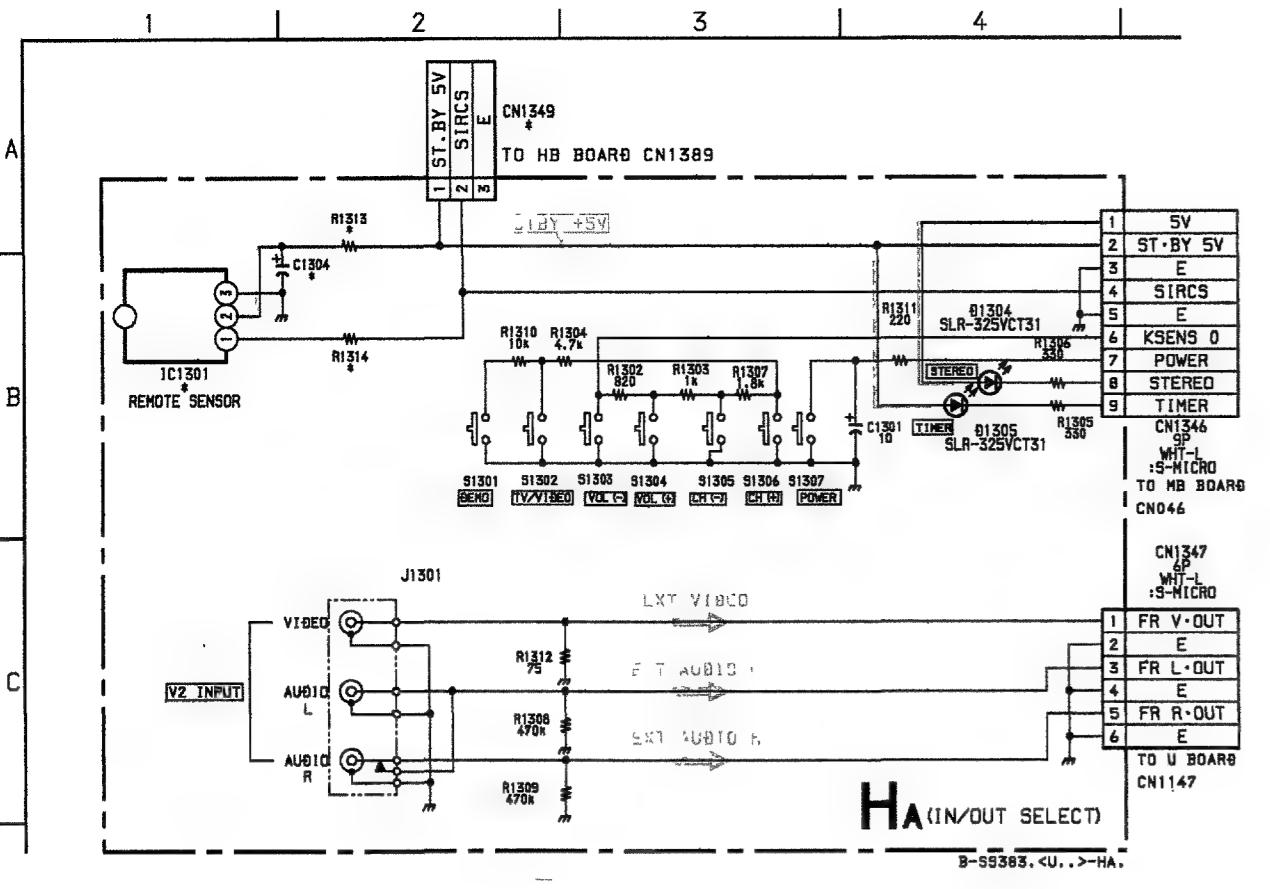
P BOARD IC VOLTAGE LIST

ALL VOLTAGES ARE IN V					
IC3200	1 *	6 GND	11 2.3	16 2.1	21 2.5
	2 *	7 1.5	12 2.4	17 2.5	22 2.5
	3 GND	8 *	13 4.0	18 5.0	23 2.3
	4 *	9 2.0	14 3.2	19 2.5	24 4.0
	5 *	10 1.9	15 2.7	20 2.5	
IC3201	1 3.1	21 2.0	41 4.9	61 *	81 5.0
	2 3.1	22 2.3	42 2.5	62 *	82 5.0
	3 5.0	23 5.0	43 4.7	63 *	83 5.0
	4 GND	24 5.0	44 3.7	64 *	84 5.0
	5 5.0	25 0	45 NC	65 GND	85 4.6
	6 5.0	26 5.0	46 2.5	66 2.5	86 2.5
	7 3.8	27 5.0	47 5.0	67 NC	87 NC
	8 0	28 5.0	48 0.2	68 4.0	88 4.7
	9 0	29 GND	49 0.8	69 3.2	89 5.5
	10 0.2	30 0	50 2.5	70 2.7	90 GND
	11 0.2	31 2.9	51 2.5	71 2.1	91 2.5
	12 0.2	32 2.9	52 3.4	72 2.5	92 2.4
	13 4.9	33 2.2	53 5.0	73 2.5	93 GND
	14 2.6	34 4.9	54 GND	74 2.5	94 GND
	15 GND	35 5.0	55 2.5	75 2.5	95 GND
	16 2.7	36 5.0	56 5.0	76 2.5	96 5.0
	17 0	37 0.2	57 *	77 2.3	97 NC
	18 2.9	38 2.4	58 *	78 5.0	98 NC
	19 0.7	39 2.5	59 *	79 GND	99 2.7
	20 1.9	40 GND	60 *	80 4.9	100 0.8
IC3202	1 2.6	7 0	13 0.8	19 NC	25 5.0
	2 4.9	8 2.8	14 2.7	20 NC	26 GND
	3 0.2	9 2.9	15 GND	21 5.0	27 5.0
	4 0.2	10 0	16 5.0	22 4.1	28 GND
	5 0.2	11 3.1	17 GND	23 2.8	
	6 0	12 3.1	18 5.0	24 4.0	
IC3203	1 2.9	7 5.0	13 0	19 GND	25 5.0
	2 0	8 2.3	14 2.7	20 NC	26 GND
	3 5.0	9 2.0	15 GND	21 4.5	27 5.0
	4 0	10 1.9	16 5.0	22 4.1	28 GND
	5 0	11 0.7	17 GND	23 2.8	
	6 5.0	12 2.9	18 5.0	24 3.8	
IC3204	1 5.0	6 3.2	11 2.4	16 2.1	21 3.6
	2 4.7	7 2.6	12 2.2	17 5.0	22 2.9
	3 3.7	8 2.5	13 0.2	18 2.9	23 GND
	4 3.3	9 2.8	14 4.9	19 GND	24 1.8
	5 3.4	10 2.5	15 2.7	20 3.6	25 0
IC3205	1 2.5	2 2.5	3 GND	4 2.5	5 4.9

P BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q3201	2.6	GND	1.9
Q3202	3.8	9.0	4.4
Q3203	9.0	1.6	8.6
Q3204	9.0	2.6	8.6
Q3206	3.3	8.6	1.9
Q3207	3.3	GND	2.6
Q3208	0.9	8.5	1.5
Q3209	2.3	GND	1.6
Q3210	3.2	GND	2.6





HA BOARD * MARK

Ref. No.	KP-46V35 (U/C)	KP-53V35 (US)	KP-61V35 (US)
C1304	-	-	10 50V
CN1349	○	○	-
IC1301	-	-	SBX1780-51
R1313	-	-	JW (5.0)
R1314	-	-	100

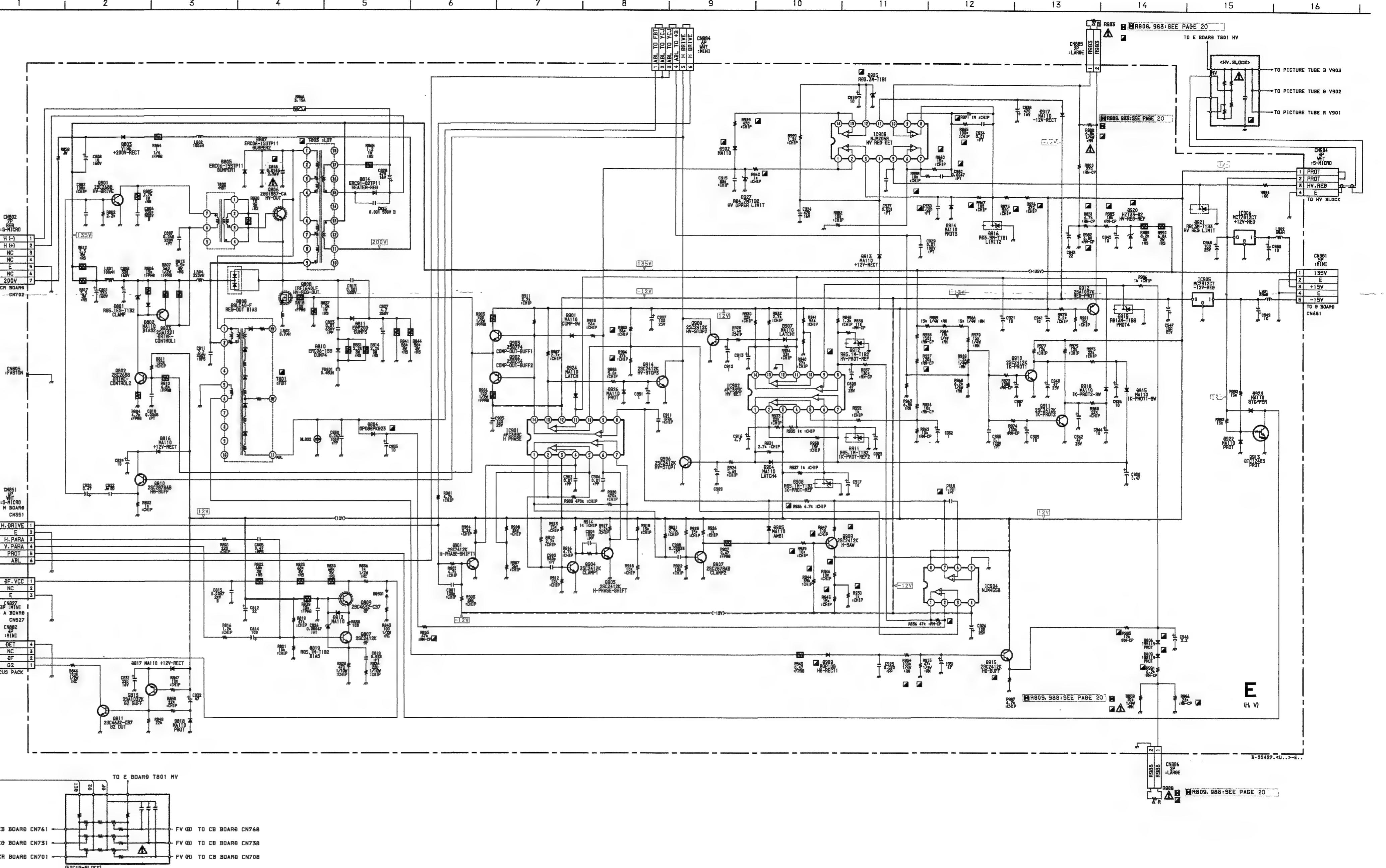
○ : TO BE MOUNT
- : NOT MOUNT

E BOARD IC VOLTAGE LIST

ALL VOLTAGES ARE IN V			
IC901	1 -6.3	4 3.9	7 4.8
	2 6.3	5 7.7	8 2.5
	3 12.0	6 7.7	9 2.8
			10 4.0
			13 -11.6
IC902	1 0.2	4 5.2	7 0
	2 0	5 4.8	8 5.2
	3 12.0	6 5.2	9 5.0
			11 0
			14 0
IC903	1 3.9	4 11.8	7 7.6
	2 3.9	5 7.6	8 3.9
	3 3.9	6 7.5	9 7.8
			10 7.6
			13 11.2
IC904	1 8.9	3 8.9	5 GND
	2 8.9	4 -12.0	6 0.2
			8 12.0
IC905	1 -12.0	2 -15.0	3 GND
IC906	1 12.0	2 16.0	3 GND

E BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q801	GND	106.7	-0.3
Q802	2.1	131.7	2.6
Q803	132.3	106.8	131.7
Q806	51.9	135.6	51.9
Q807	2.7	11.6	3.3
Q809	11.9	354.0	12.3
Q810	2.1	11.7	2.6
Q811	GND	642.0	0
Q813	12.3	0	12.3
Q901	GND	3.9	0.3
Q902	1.9	-12.0	2.0
Q903	1.9	12.0	2.0
Q904	GND	0.0	0.6
Q905	GND	7.7	0.2
Q906	GND	2.6	0.2
Q907	GND	0.6	0.5
Q908	GND	2.6	0.2
Q909	0.2	2.2	-2.1
Q910	GND	0	0.7
Q911	GND	0	0.7
Q912	10.7	GND	10.1
Q913	GND	3.4	-0.3
Q914	GND	2.6	-0.6
Q915	0	12.0	0
QS08	0	51.9	1.9



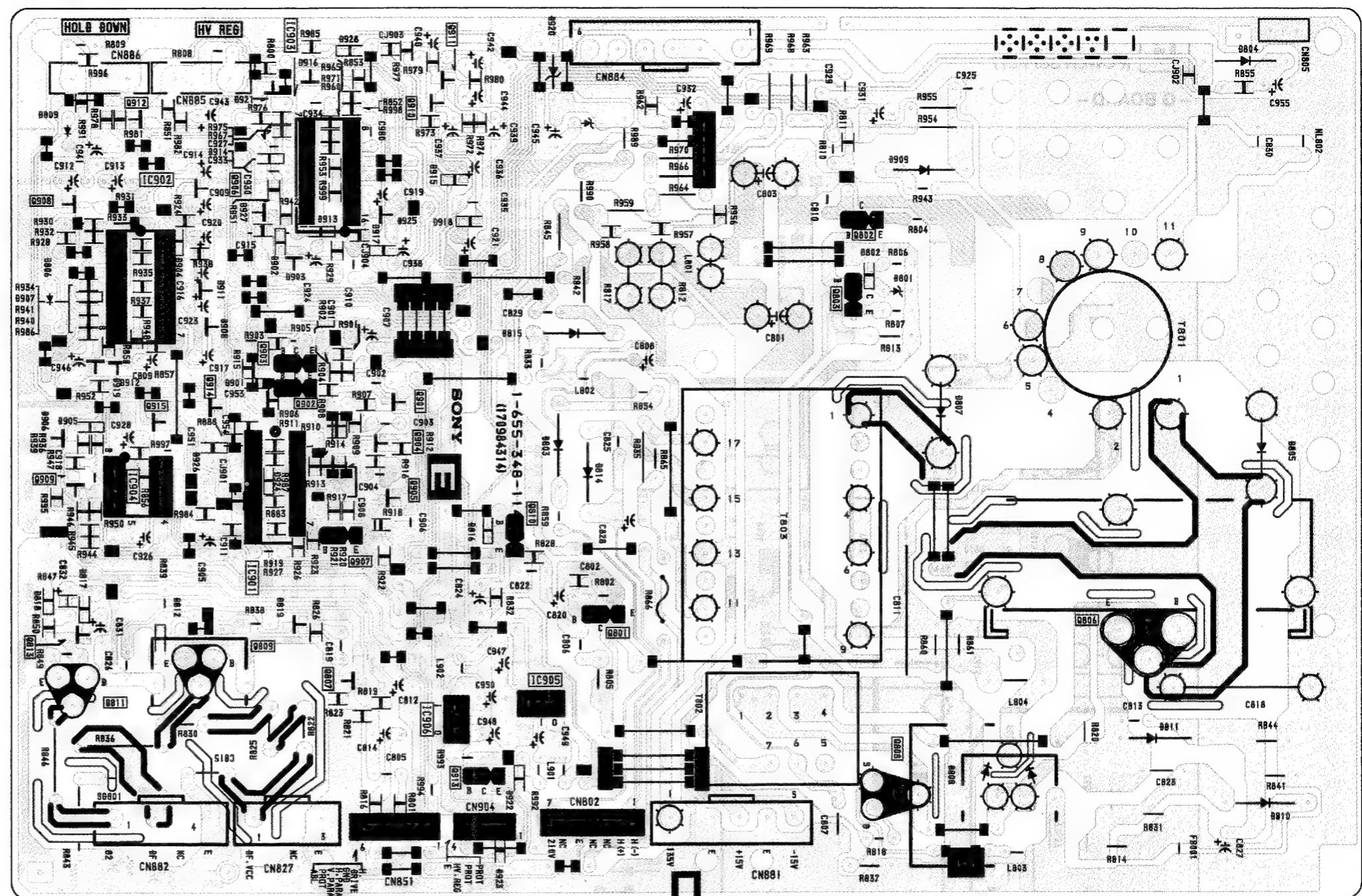
E

[H. V]

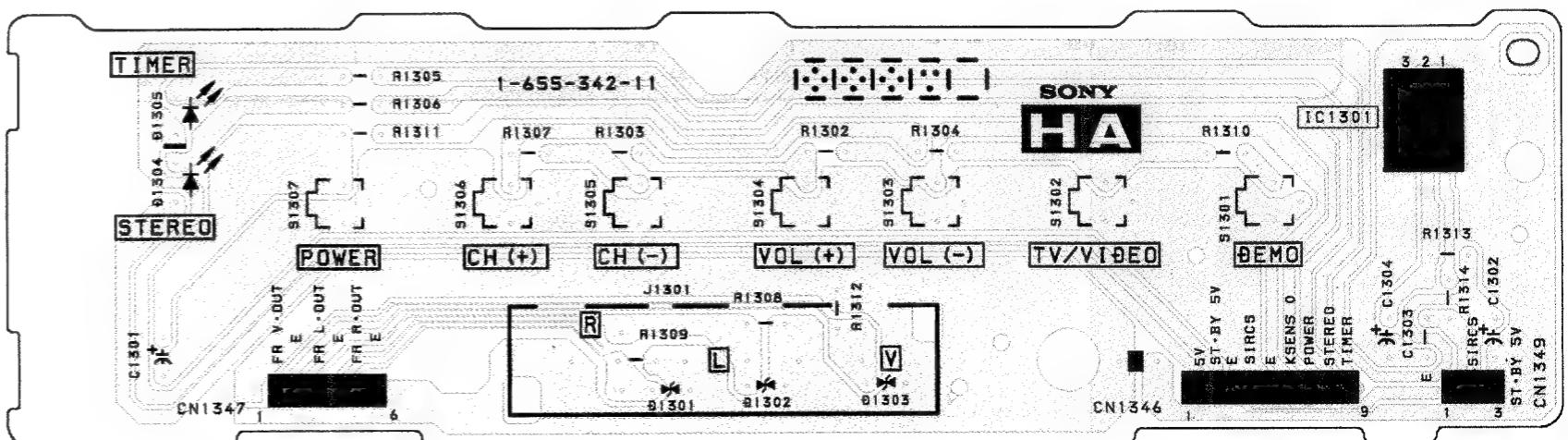
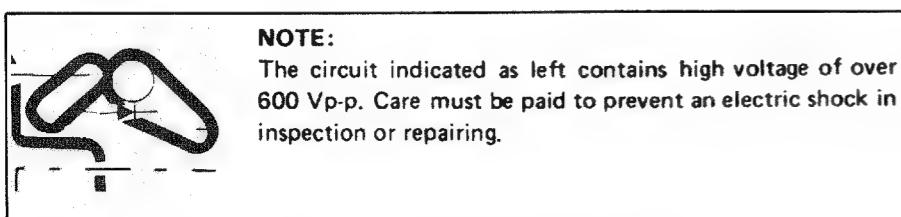
HA

[IN/OUT SELECT]

- E BOARD -

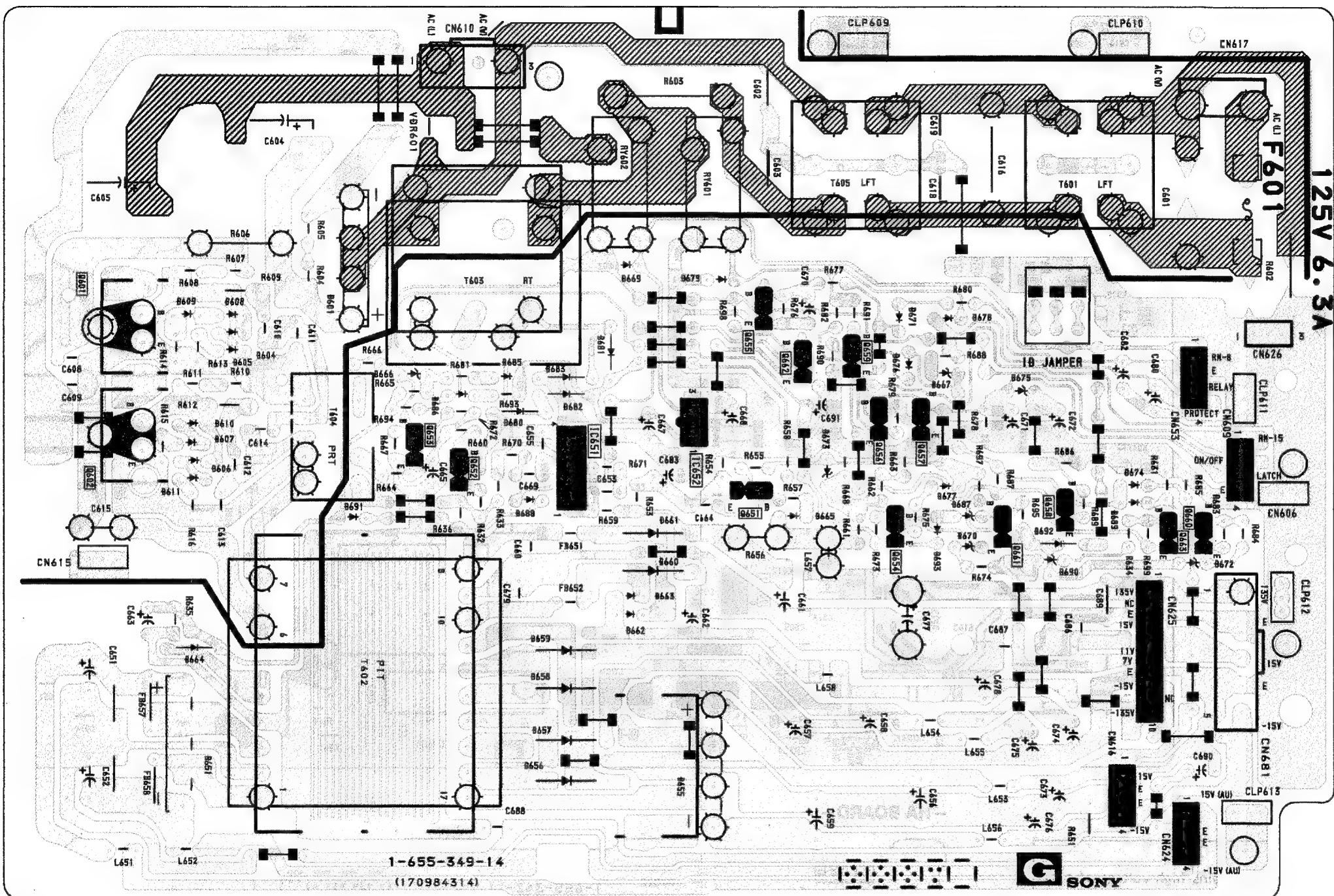


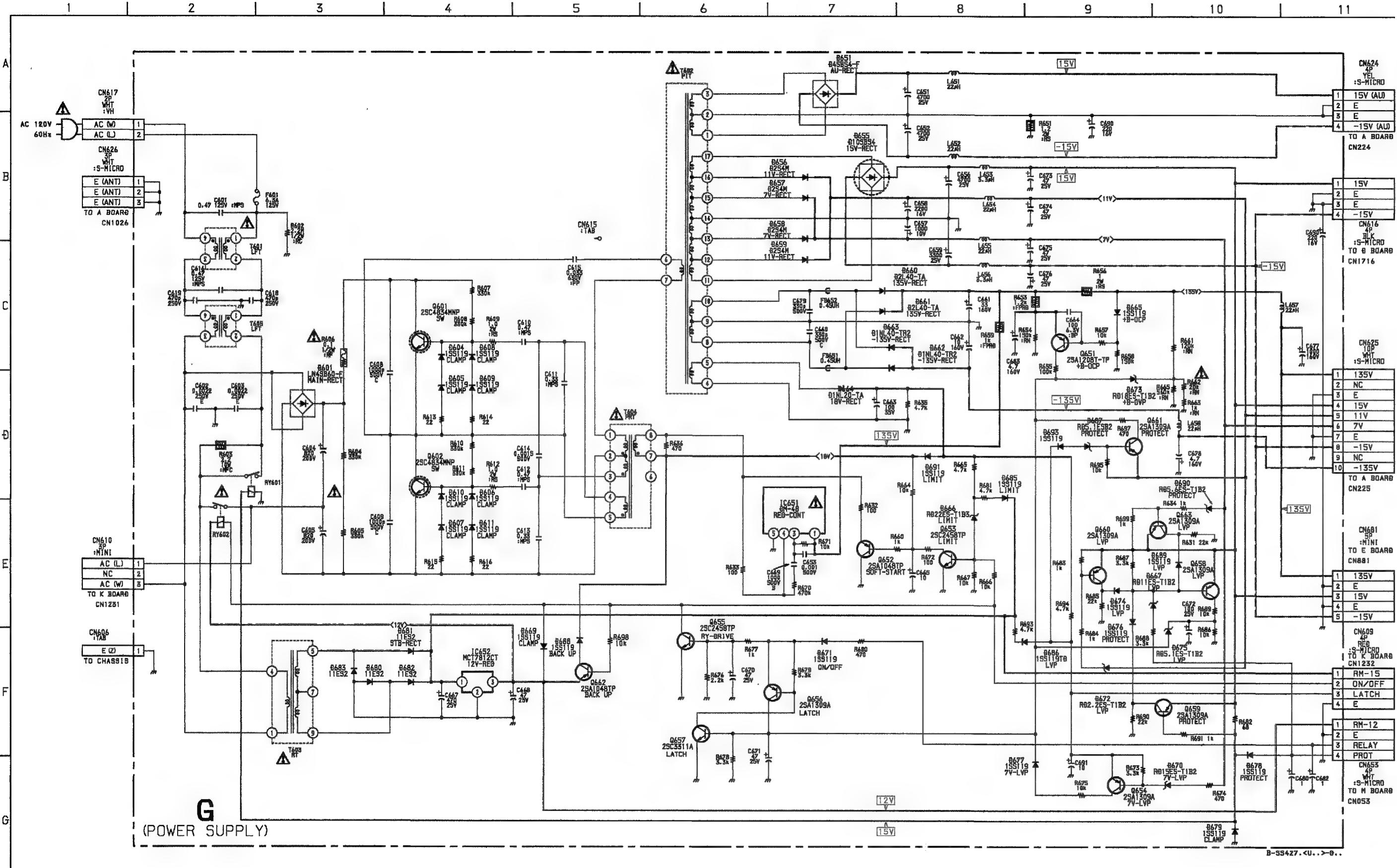
- HA BOARD -



G [POWER SUPPLY]

- G BOARD -





THE VOLTAGE VALUES FOR Q602 AND Q603 ARE MEASURED TAKING Q602 Emitter AS THE REFERENCE.

G BOARD IC VOLTAGE LIST

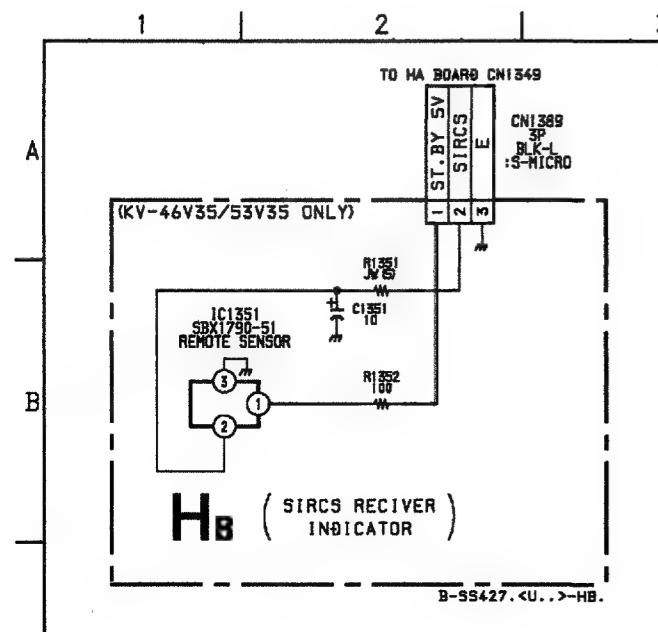
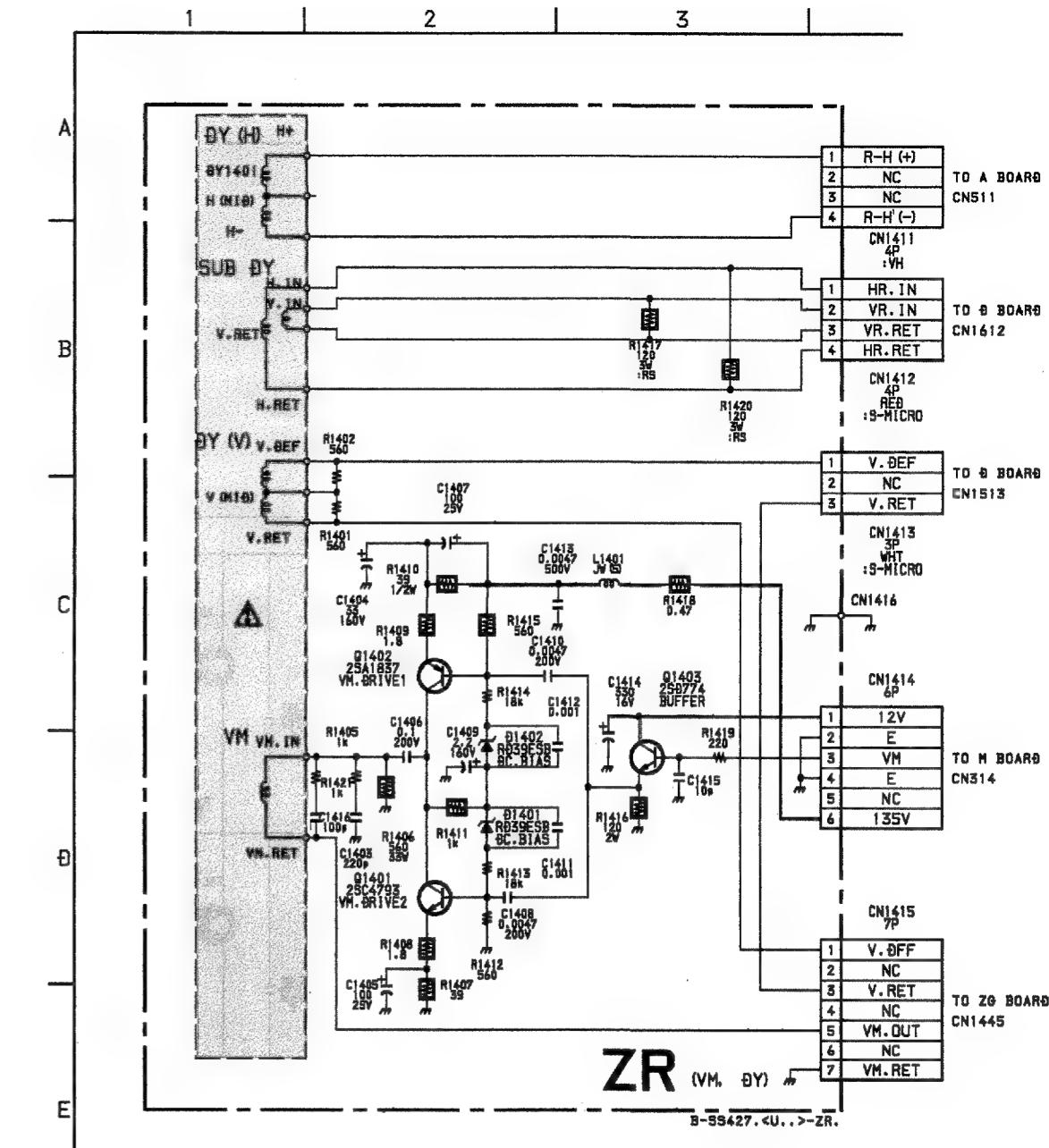
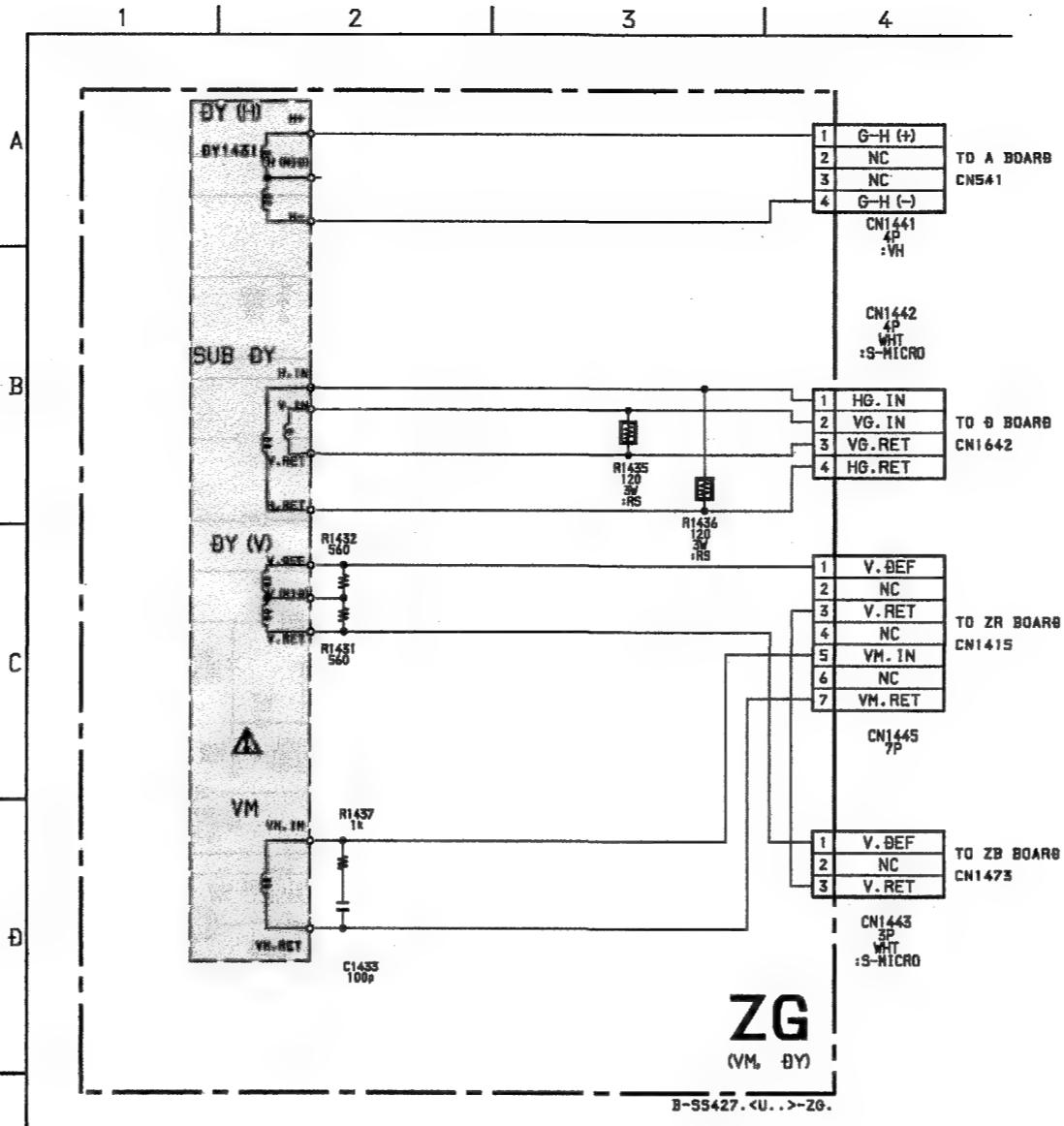
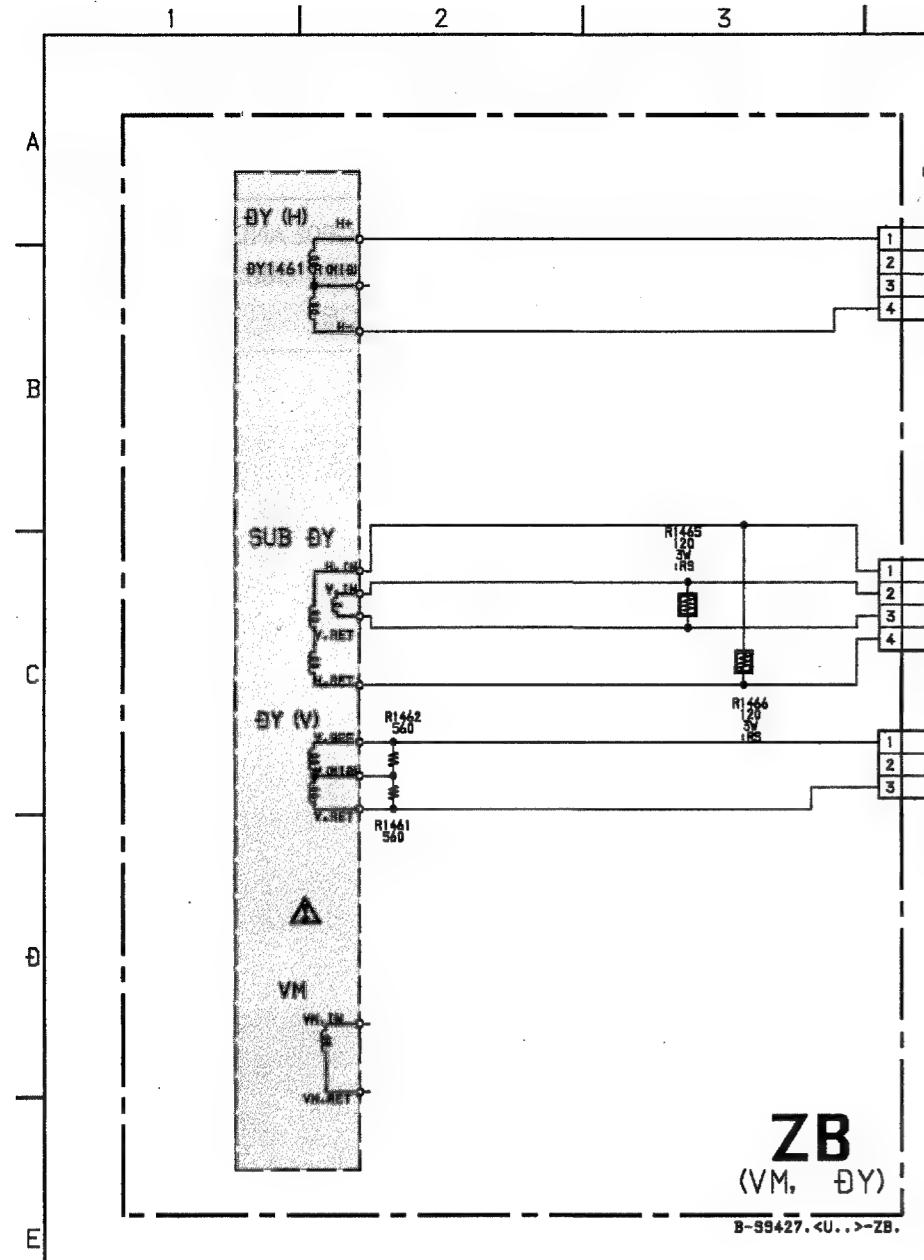
IC651	1 135.4	3 2.6	4 8.9	5 GND
IC652	1 22.0	2 GND	3 12.0	

ALL VOLTAGES ARE IN V

G BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q601	GND	115	115
Q602	GND	115	115
Q651	135.5	0.2	135.4
Q652	13.0	GND	15.1
Q653	GND	15.1	0
Q654	15.7	-2.0	15.7
Q655	GND	0.2	0.8
Q656	2.7	0.2	2.7
Q657	GND	2.7	0.2
Q658	15.0	8.2	14.8
Q659	15.0	15.3	14.6
Q660	15.0	15.3	14.6
Q661	11.0	0.2	11.5
Q662	12.0	12.1	11.4
Q663	15.0	15.3	14.6

Schematic diagram
← G board



ZR BOARD TRANSISTOR VOLTAGE LIST

	E	C	B
Q1401	0	-0.5	0
Q1402	-1.0	-0.5	-0.9
Q1403	4.8	12.0	5.4

ALL VOLTAGES ARE IN V

ZB

[VM, DY]

ZG

[VM, DY]

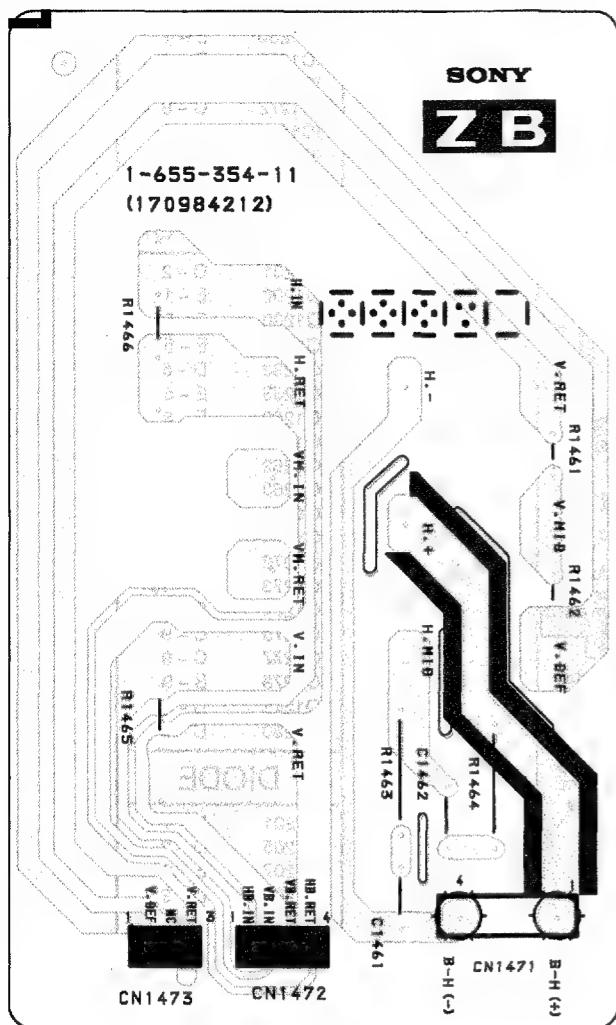
ZR

[VM.DY]

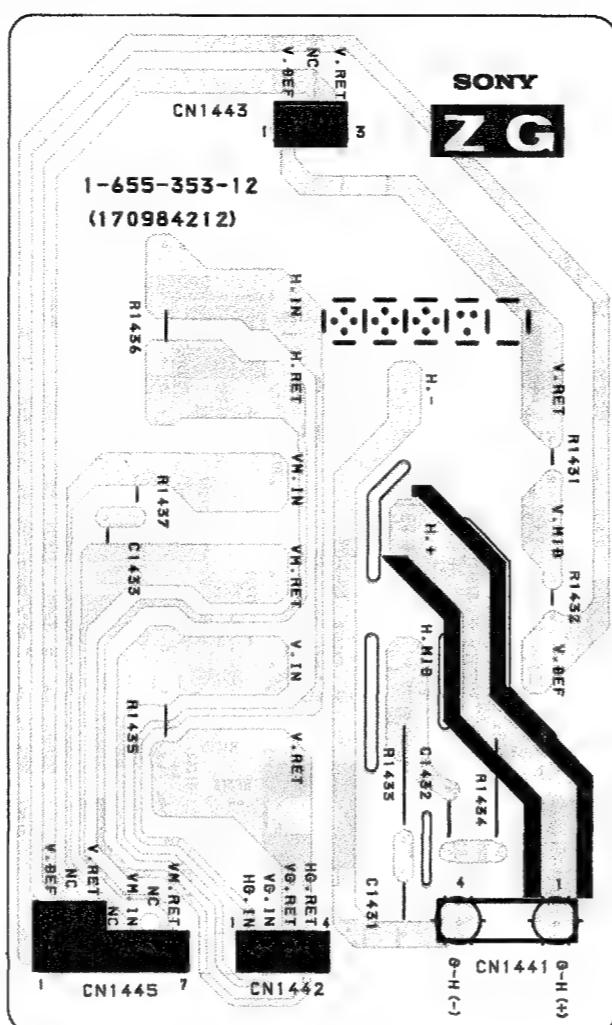
HB

[SIRCS RECEIVER,
INDICATOR]

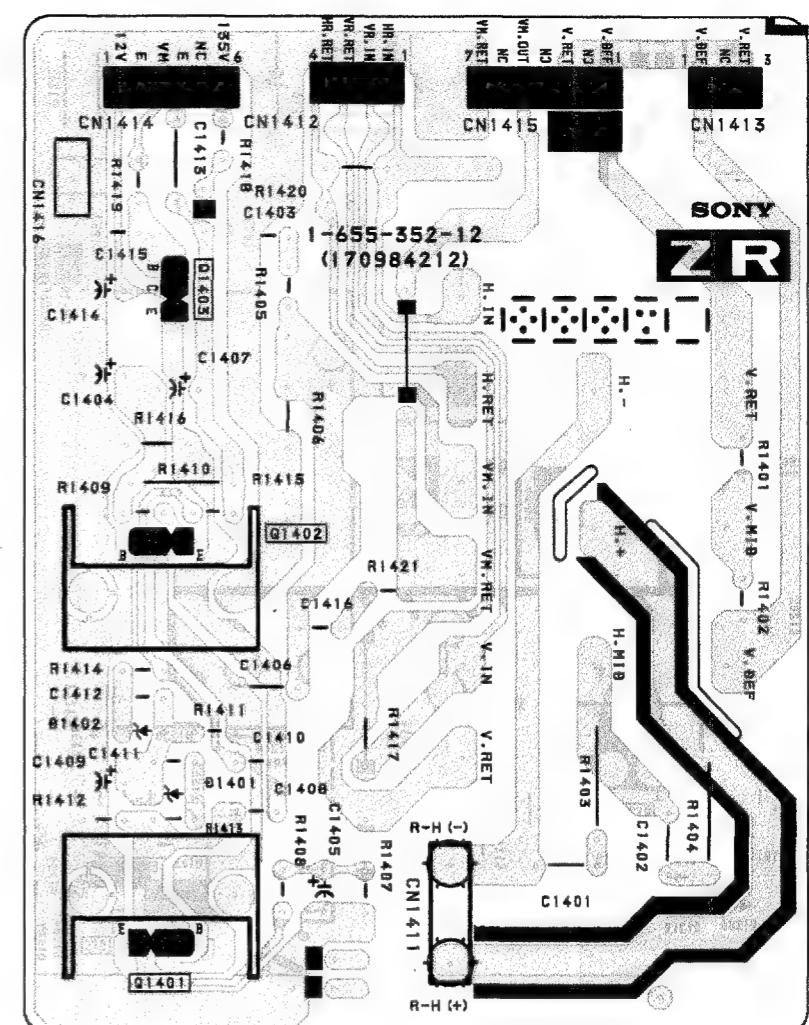
- ZB BOARD -



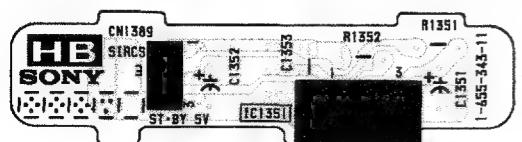
- ZG BOARD -



- ZB BOARD -

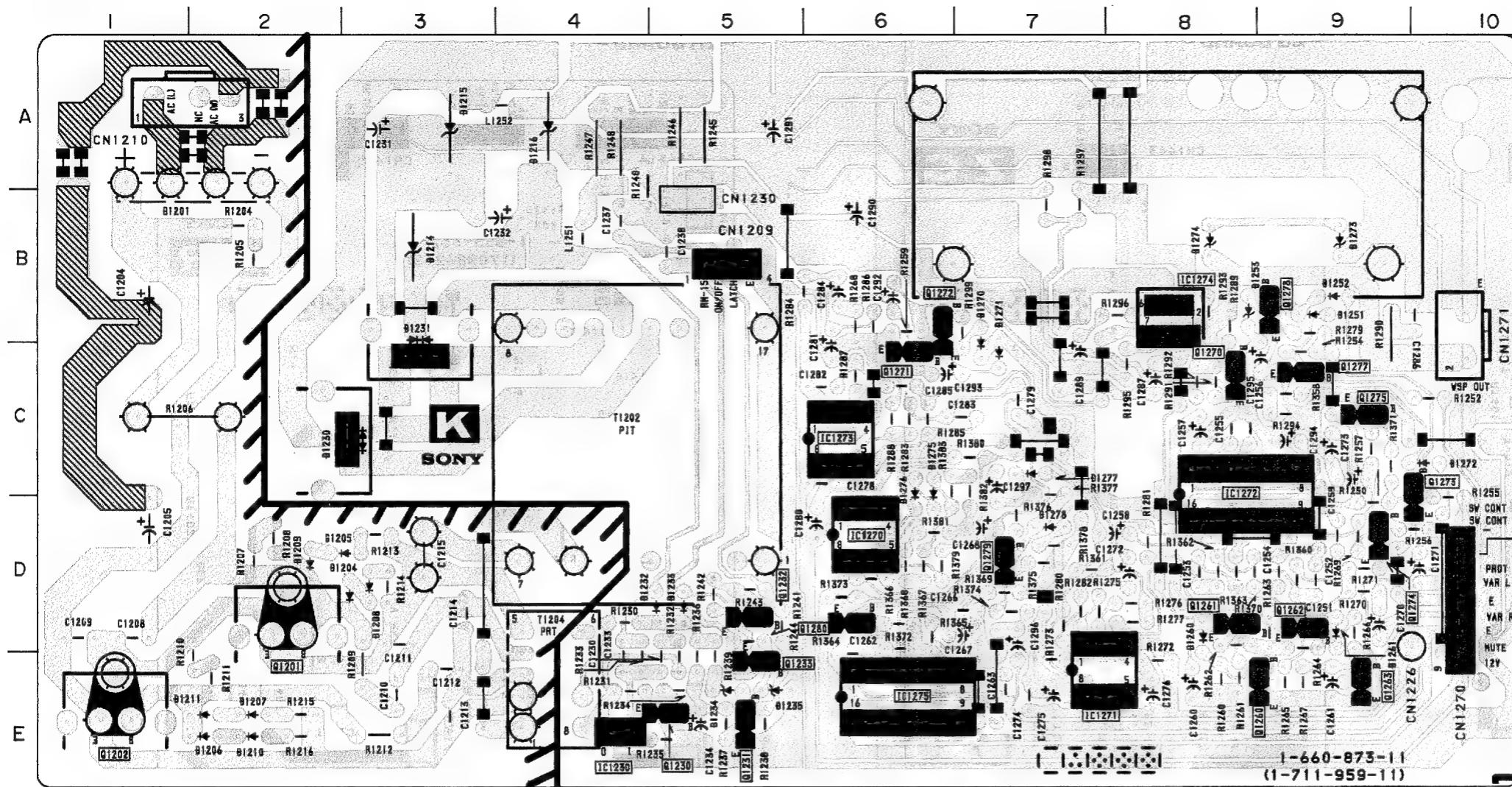


- HB BOARD - (KP-46V25/53V25 only)

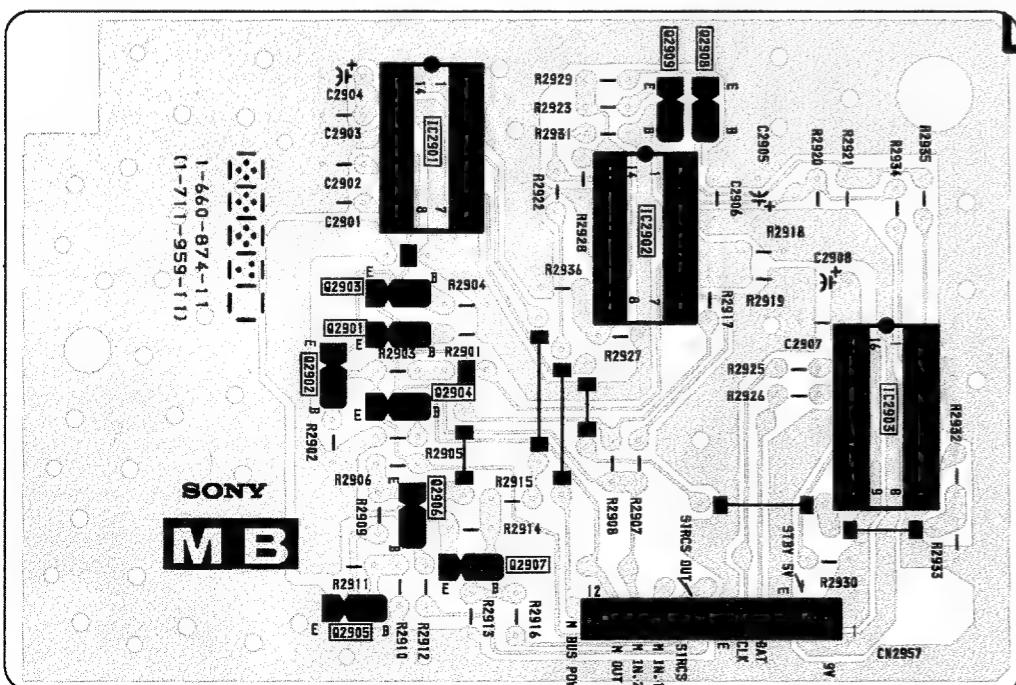


[SW AMP,
SW POWER SUP] [S-LINK I/F]

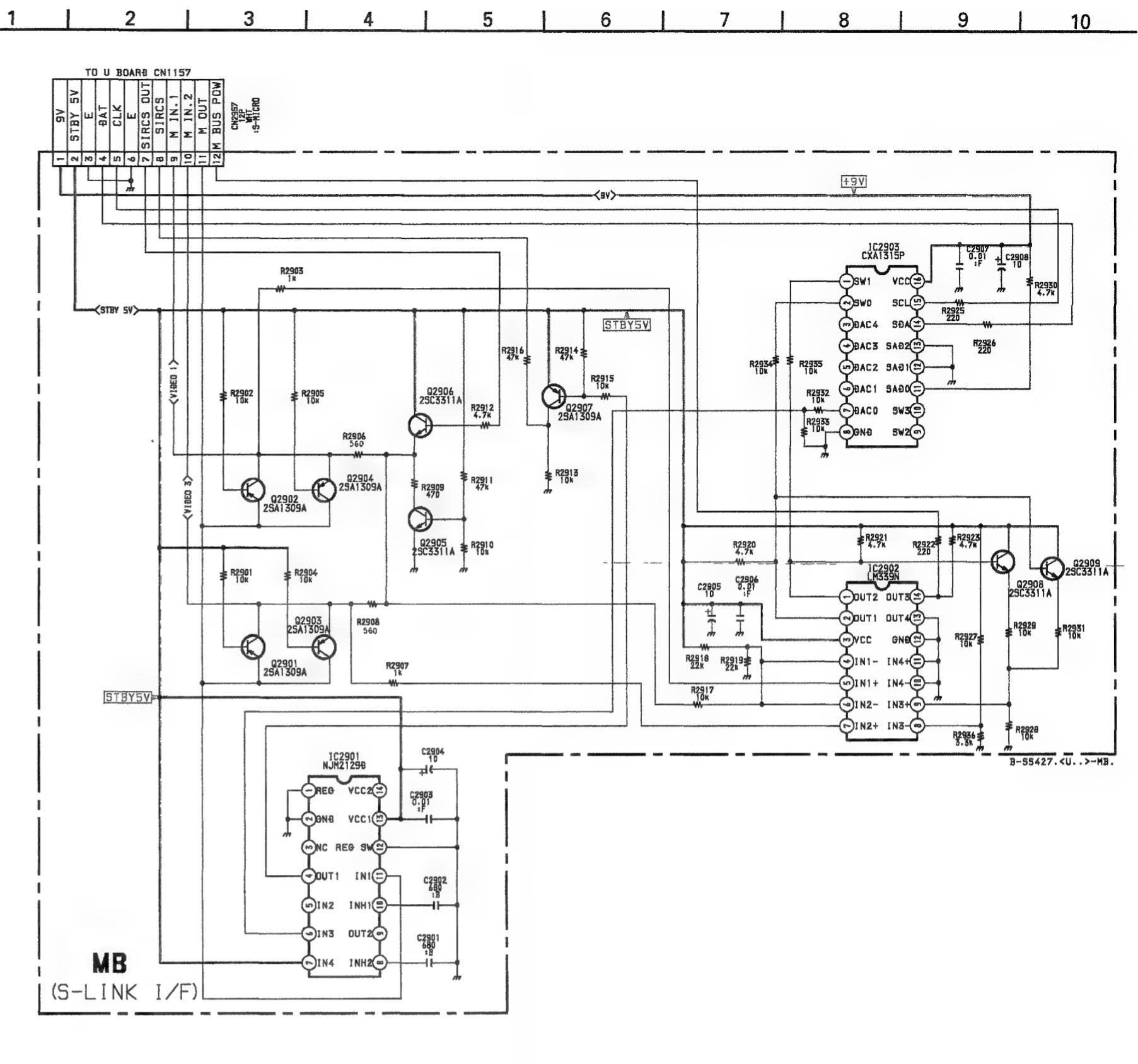
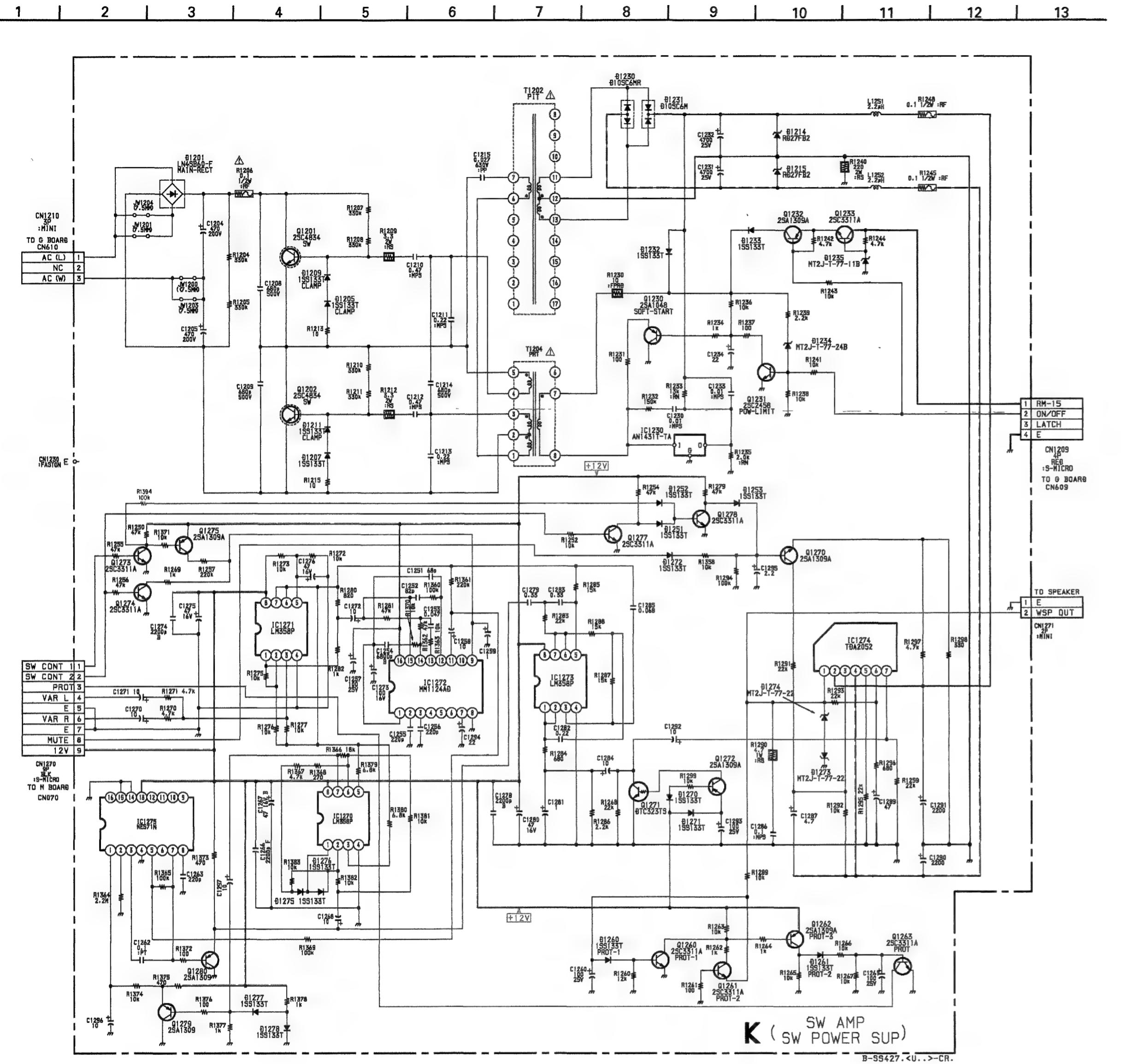
- K BOARD -



- MB BOARD -



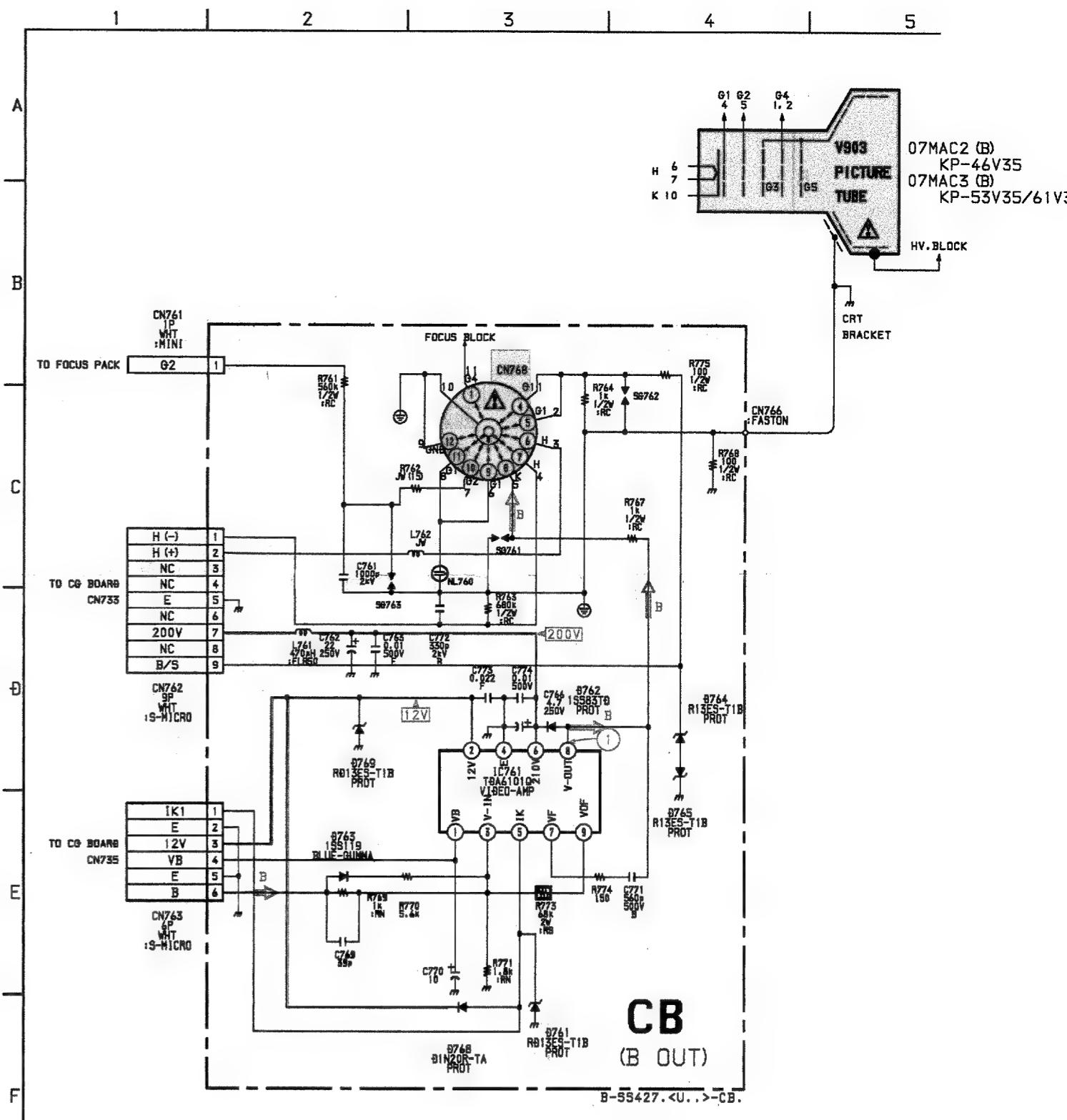
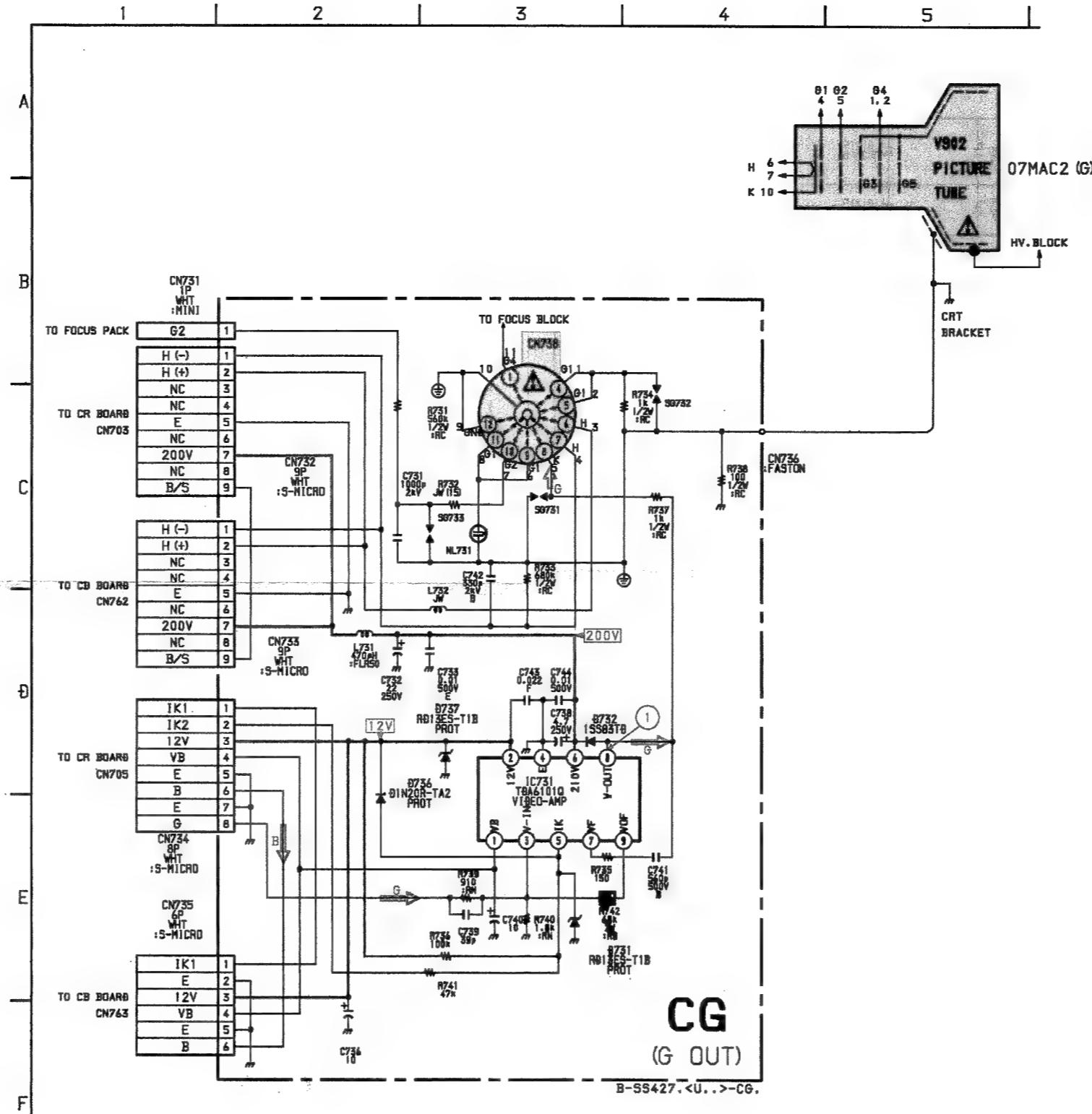
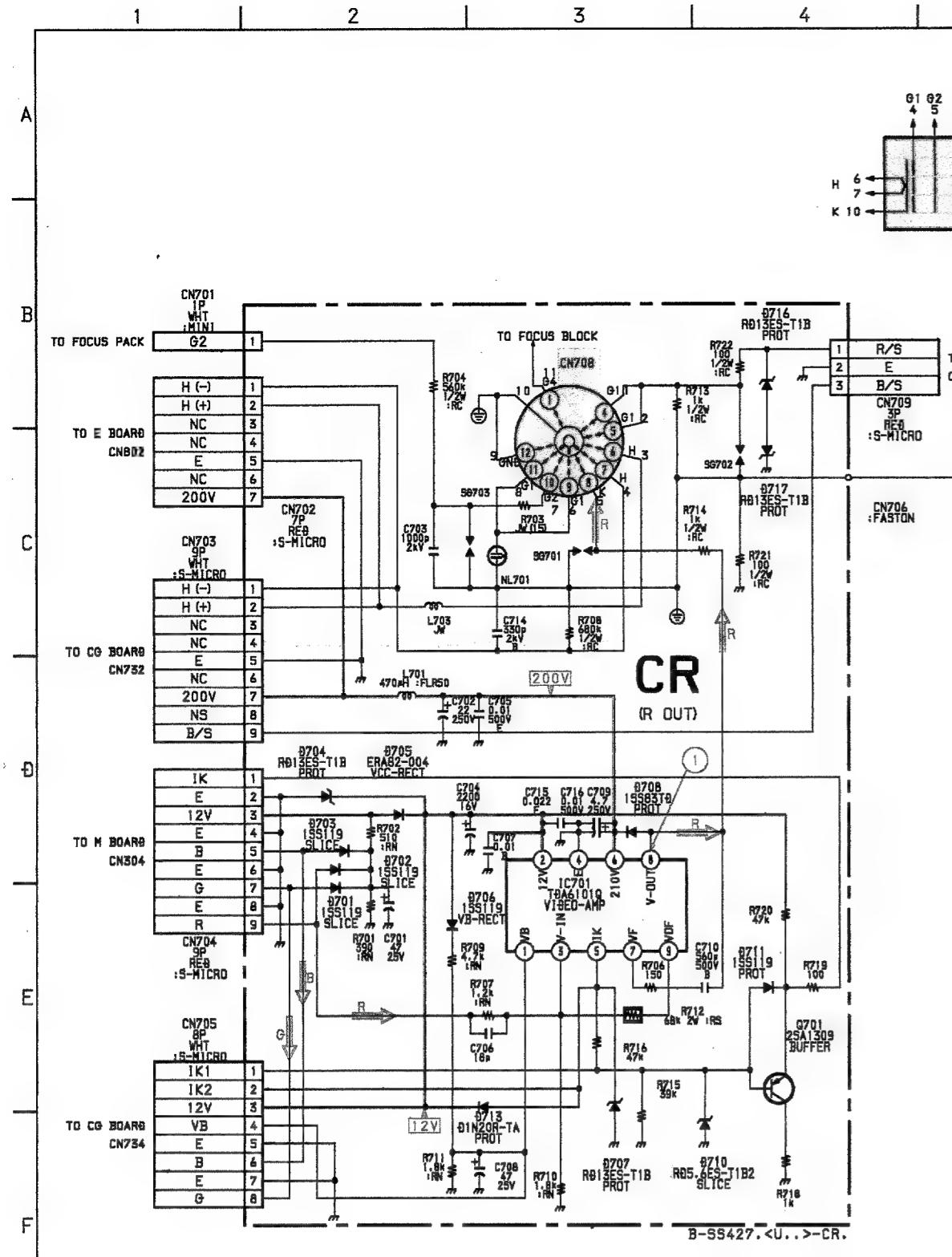
K BOARD	
IC	
IC1230	E - 4
IC1270	D - 6
IC1271	E - 7
IC1272	C - 8
IC1273	C - 6
IC1274	B - 8
IC1275	E - 6
TRANSISTOR	
Q1201	D - 2
Q1202	E - 1
Q1230	E - 5
Q1231	E - 5
Q1232	D - 5
Q1233	E - 5
Q1260	E - 8
Q1261	D - 8
Q1262	D - 9
Q1263	E - 9
Q1270	C - 8
Q1271	C - 6
Q1272	B - 6
Q1273	C - 10
Q1274	D - 9
Q1275	C - 9
Q1277	C - 9
Q1278	B - 9
Q1279	D - 7
Q1280	D - 6
DIODE	
D1201	B - 1
D1205	D - 2
D1207	E - 2
D1209	D - 2
D1211	E - 2
D1214	B - 3
D1215	A - 3
D1230	C - 2
D1231	B - 3
D1232	D - 5
D1233	D - 5
D1234	E - 5
D1235	E - 5
D1251	B - 9
D1252	B - 9
D1253	B - 8
D1260	D - 8
D1261	D - 9
D1270	B - 7
D1271	B - 7
D1272	C - 10
D1273	B - 9
D1274	B - 8
D1275	C - 6
D1276	C - 6
D1277	C - 7
D1278	D - 7



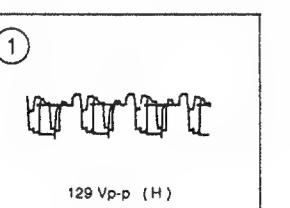
REF.	Pin No.	VOLTAGE
IC1230	(IN)	15.0
	(OUT)	2.5
IC1270	(1)	6.0
	(2)	6.0
	(3)	6.0
	(4)	6.0
	(5)	6.0
	(6)	6.0
	(7)	6.0
IC1271	(1)	6.0
	(2)	6.0
	(3)	6.0
	(4)	6.0
	(5)	6.0
	(6)	6.0
	(7)	6.0
IC1272	(1)	6.1
	(2)	6.1
	(3)	0.7
	(4)	0.7
	(5)	0
	(6)	6.2
	(7)	6.0
	(8)	6.1
	(9)	6.0
	(10)	6.0
	(11)	6.0
	(12)	6.0
	(13)	6.0
	(14)	6.0
	(15)	6.1
	(16)	6.0
	(17)	6.0
	(18)	6.0
	(19)	6.0
	(20)	6.0
IC1273	(1)	0
	(2)	0
	(3)	0
	(4)	0
	(5)	0
	(6)	0
	(7)	0
	(8)	0
	(9)	-12.4
IC1274	(6)	0
	(7)	0
	(8)	0
	(9)	0
	(10)	0

REF.	VOLTAGE	REF.	VOLTAGE
Q1201	E 155.6	Q1270	E 1.0
	C 309.1		C 0.9
	B 154.3		B 0.4
Q1202	C 155.6	Q1271	C 0
	B -1.4		B -0.8
Q1230	E 14.5	Q1272	E 11.8
	B 17.1		C -0.8
Q1231	C 17.2	Q1273	B 11.1
	B 0.1		C 12.0
Q1232	E 10.1	Q1274	C 0
	C 10.1		B 0.6
Q1233	E 10.1	Q1275	C 0.1
	C 18.8		B 11.9
Q1260	B 10.7	Q1277	C 0.1
	C 12.0		B 0.7
Q1261	E 0	Q1278	C 0
	C 12.0		B 0.7
Q1262	B 0	Q1279	E 0.9
	C 0		B 0.3
Q1263	E 0	Q1280	E 8.5
	C 4.4		B 7.8

REF.	VOLTAGE
Q2901	E 0
	C 0
	B 5.0
IC2901	(1) 0.5
	(10) 0.8
Q2902	C 0
	B 5.0
Q2903	E 0
	B 5.0
IC2902	(1) 0.1
	(2) 0.1
	(3) 1.2
	(4) 0.1
Q2904	C 0
	B 5.0
Q2905	B 0.6
	C 0
Q2906	E 0
	B 0
Q2907	C 0
	B 5.0
Q2908	E 0
	B 0.1
Q2909	E 0
	B 0.1



- CR BOARD WAVEFORM



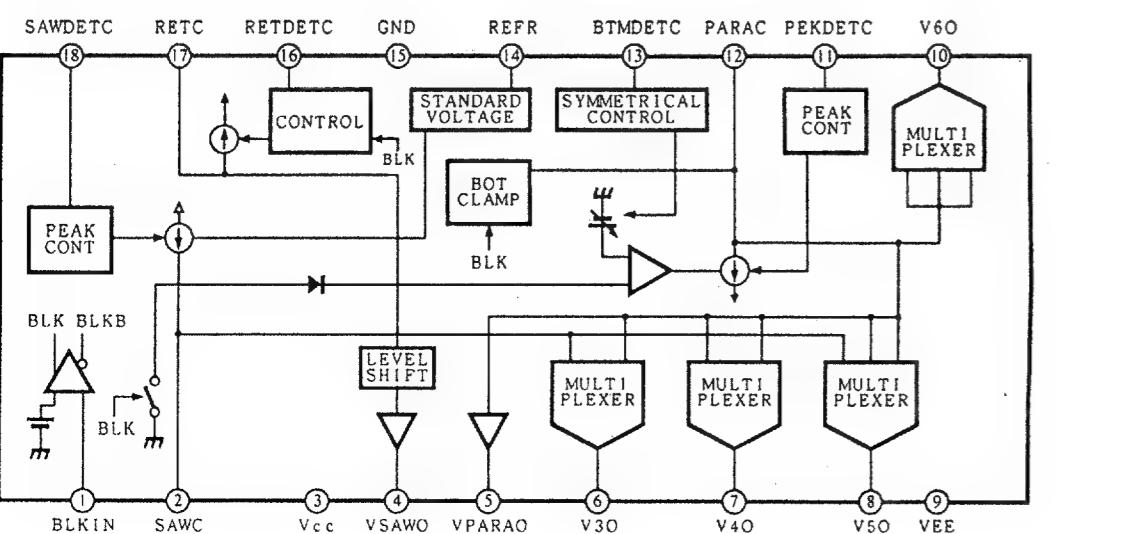
ICR BOARD IC VOLTAGE LIST

IC701	1 3.2	3 3.0	5 8.2	7 171.5	9 170.1
	2 12.0	4 GND	6 200	8 171.6	

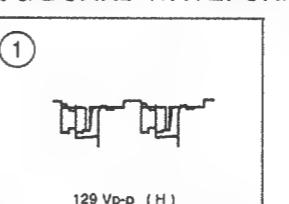
CR BOARD TRANSISTOR VOLTAGE LIST

	E	C	B	
129 Vp-p (H)	Q701	3.3	0.3	3.7

CR BOARD IC701 TDA6101Q



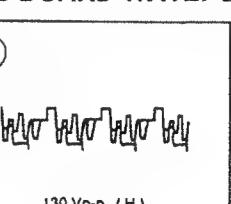
CG BOARD WAVEFORM



BOARD IC VOLTAGE LIST ALL VOLTAGES ARE IN V

1	1 3.1	3 2.9	5 9.6	7 173.8	9 172.4
	2 12.0	4 GND	6 200	8 175.4	

• CB BOARD WAVEFORM



CB BOARD IC VOLTAGE LIST ALL VOLTAGES ARE IN V.

IC761	1 3.1	3 3.0	5 4.3	7 147.2	9 145.9
	2 12.0	4 CND	6 200	8 147.7	

CR

[ROUT]

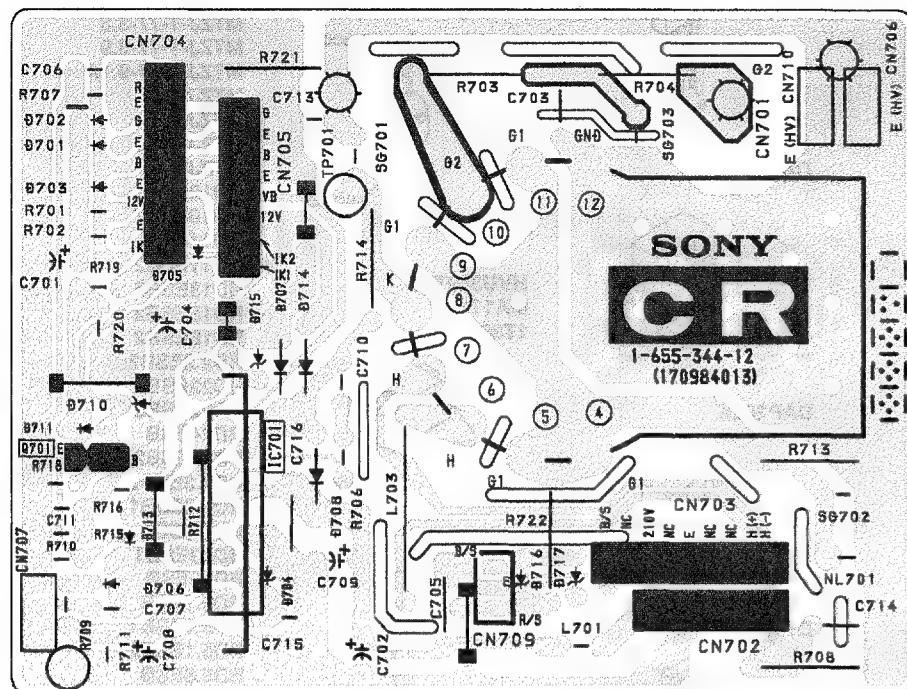
CG

JG OUT

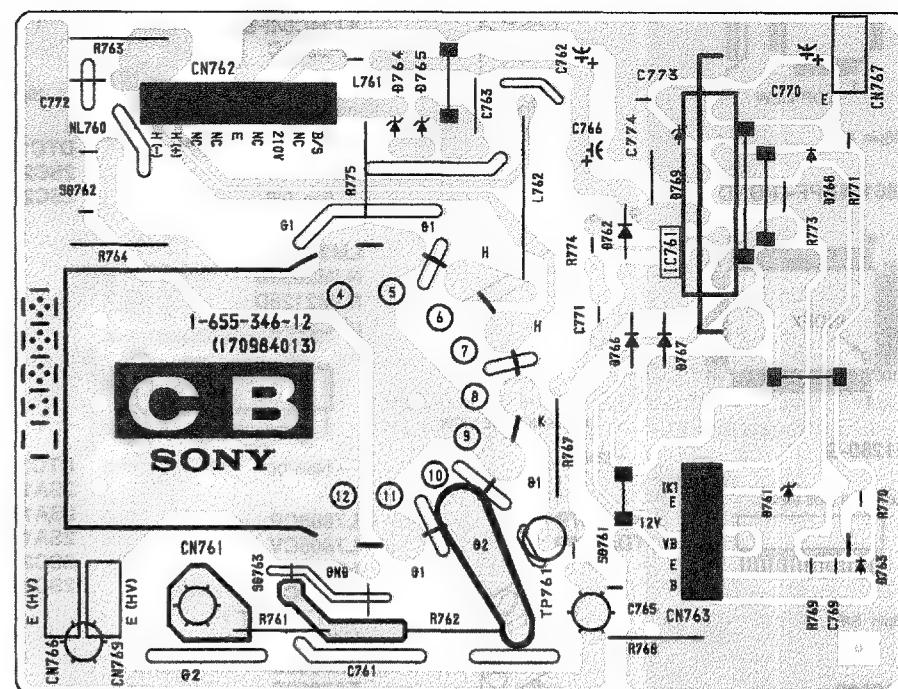
CB

[B OUT]

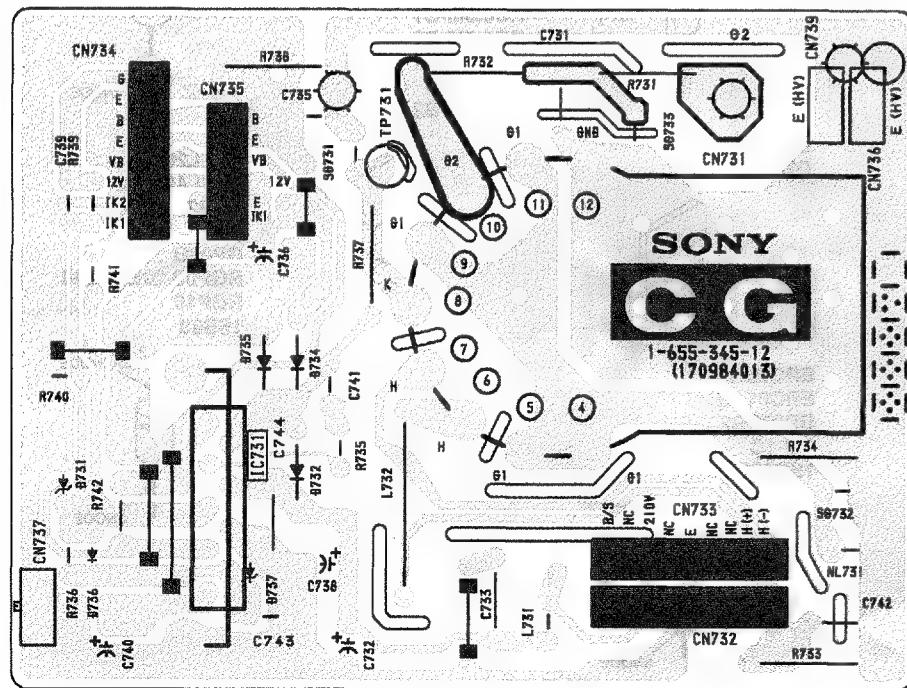
- CR BOARD -



- CB BOARD -

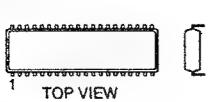


- CG BOARD -



4-4. SEMICONDUCTORS

AN1431T
CXA1315P
MB40176PF-G-BND-EF
NE571N



16pin DIP

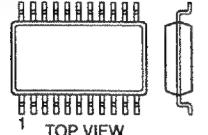
CAT51C262-ZS
MSM51C262-ZS

MARKING SIDE VIEW



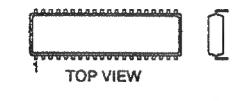
24pin SIP

CXA1315P
HD14053BFP



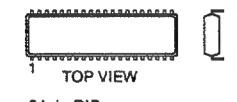
16pin SOP

CXA1477AS
CXA1855S



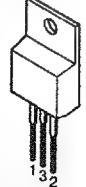
48pin DIP

CXP85112B-613S
CXP85332A-046S
CXP85340A-060S

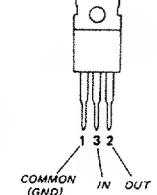


64pin DIP

LA7905CT
MC7905CT



LM7912CT
MC7912CT



MB3512PFQ

48pin QFP



SBX1780-51
SBX1790-51

TOP VIEW



LM358P
M5218AP
NJM4558D
ST24C01FB6
ST24C04FB6
 μ PC358C

TOP VIEW



20pin DIP

TDA8424

TOP VIEW



20pin DIP

2SA1221-L
2SB733-34
2SD734-4
2SD774-34
2SD774-4

TOP VIEW



TOP VIEW



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2SD2348LBSONY

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SECTION 5

EXPLODED VIEWS

NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.

5-1. COVER (KP-46V35/53V35)

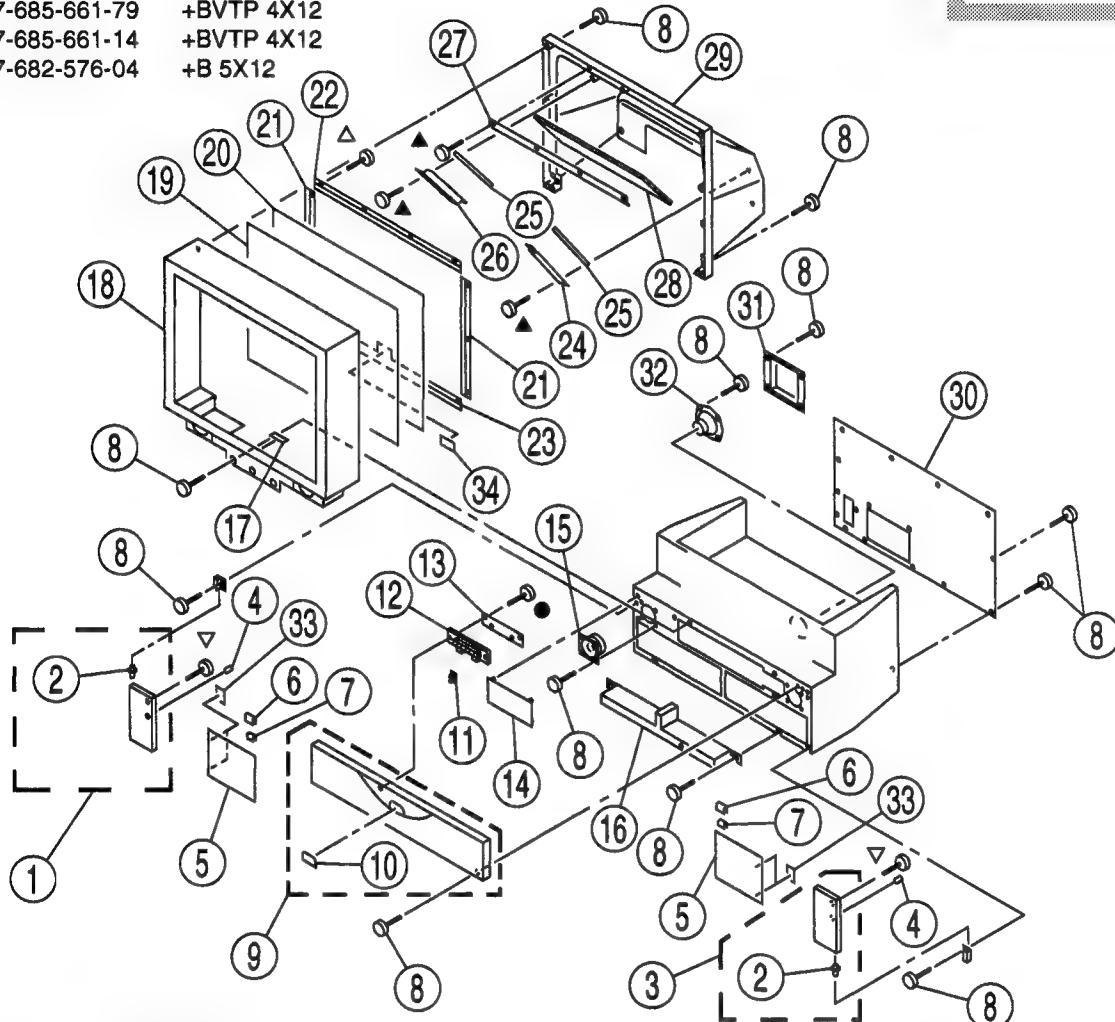
- : 7-685-648-79 +BVTP 3X12
- ▲ : 7-685-661-79 +BVTP 4X12
- △ : 7-685-661-14 +BVTP 4X12
- ▽ : 7-682-576-04 +B 5X12

• The construction parts of an assembled part are indicated with a collation number in the remark column.

• Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark △ are critical for safety.
Replace only with part number specified.

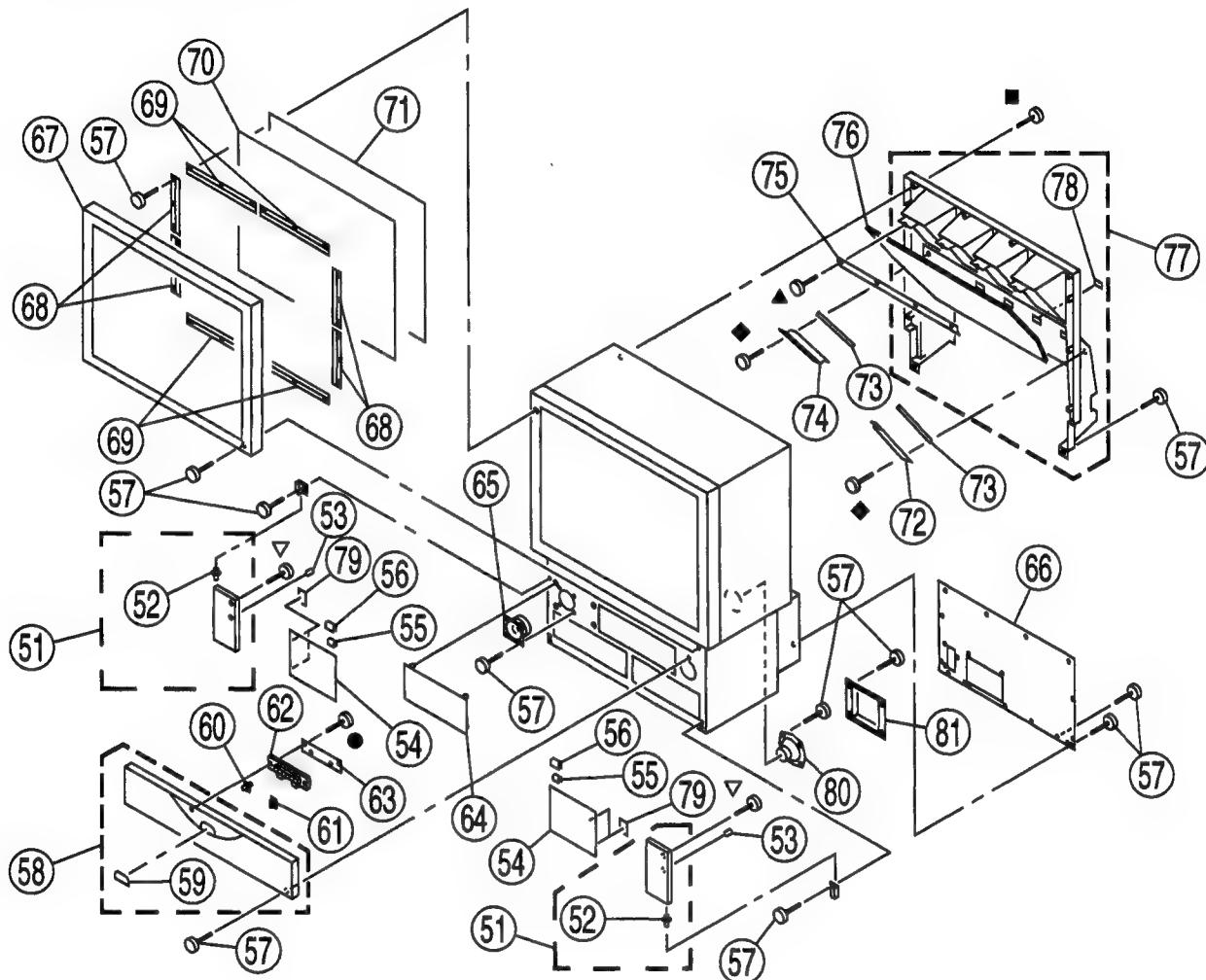
Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
1	X-4033-667-1	DOOR (L) ASSY, RACK		2	20	4-036-469-01	PLATE (F), DIFFUSION (KP-53V35)
2	4-048-634-01	SHAFT			21	*4-048-205-11	PLATE (F), DUFFUSION (KP-46V35)
3	X-4033-668-1	DOOR (R) ASSY, RACK			21	*4-048-152-01	HOLDER (S), SCREEN (KP-46V35)
4	4-036-901-01	SCREW			21	*4-048-152-11	HOLDER (S), SCREEN (KP-53V35)
5	4-048-790-01	GLASS (53), DOOR		22	*4-048-159-01	HOLDER (L), SCREEN (KP-46V35)	
6	4-038-384-01	CATCHER, MAGNET			22	*4-048-159-11	HOLDER (L), SCREEN (KP-53V35)
7	4-038-385-01	SPACER		23	*4-048-159-21	HOLDER (L), SCREEN (KP-46V35)	
8	4-041-164-11	SCREW (4X20), TAPPING			23	*4-048-159-31	HOLDER (L), SCREEN (KP-53V35)
9	X-4032-613-1	PANEL ASSY, CONTROL		10	24	*4-049-096-01	HOLDER (RIGHT), SIDE
10	4-048-000-01	DOOR, CONTROL			25	*4-049-098-01	CUSHION
11	4-047-998-01	GUIDE, LIGHT, LED			26	*4-049-097-01	HOLDER (LEFT), SIDE
12	4-048-001-01	BUTTON, MULTI			27	*4-037-351-01	HOLDER, MIRROR
13	*A-1372-112-A	HA BOARD, COMPLETE			28	*4-048-741-01	MIRROR, REFLECTION
14	4-048-335-01	GRILLE, SPEAKER			29	*4-048-639-01	COVER, MIRROR (KP-46V35)
15	1-505-378-11	SPEAKER (10CM)					
16	4-048-247-01	PANEL, FRONT ORNAMENT		30	*4-048-793-01	COVER, MIRROR (KP-53V35)	
17	*A-1372-111-A	HB BOARD, COMPLETE			30	*4-048-794-01	PLATE (53), REAR (KP-53V35)
18	X-4032-998-1	BEZNET ASSY (46V) (KP-46V35)			31	*4-054-051-01	PLATE (46), REAR (KP-46V35)
	X-4032-999-1	BEZNET ASSY (53V) (KP-53V35)			32	1-505-377-11	COVER, SPEAKER
19	4-036-466-01	PLATE (L), DIFFUSION (KP-53V35)			33	4-039-009-02	SPEAKER (13CM)
4-037-360-11	PLATE (L), DIFFUSION (KP-46V35)			34	3-551-305-21	CUSHION, GLASS	

5-2. COVER (KP-61V35)

- : 7-685-648-79 +BVTP 3X12
- : 7-685-663-79 +BVTP 4X16
- ▲ : 7-685-661-79 +BVTP 4X12
- ◆ : 7-685-666-79 +BVTP 4X30
- ▽ : 7-682-576-04 +B 5X12



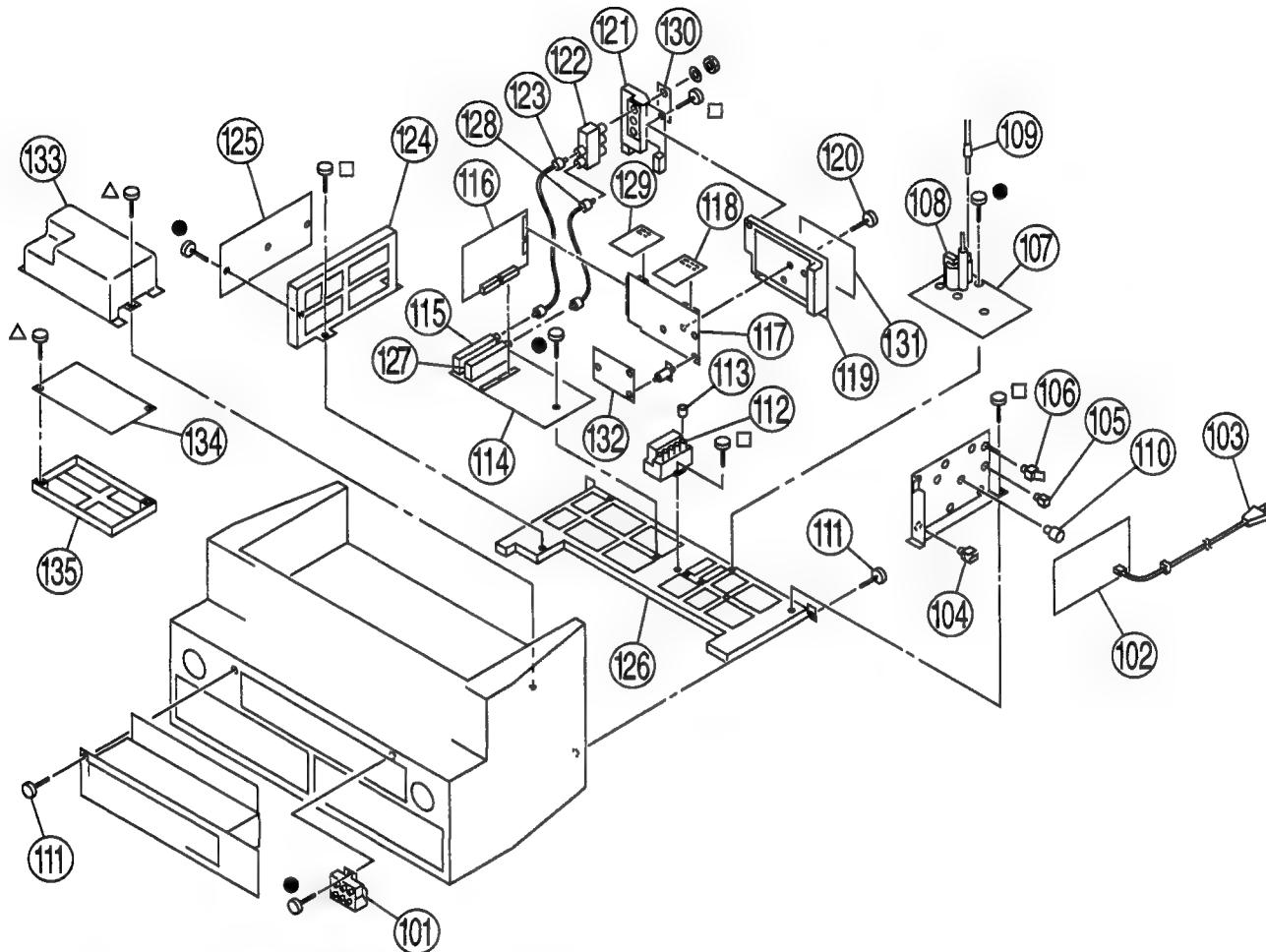
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
51	X-4033-663-1	DOOR ASSY, RACK		52	67	X-4032-762-1	FRAME ASSY, SCREEN
52	4-048-634-01	SHAFT		68	* 4-040-122-01	HOLDER (S), SCREEN	
53	4-036-901-01	SCREW		69	* 4-040-120-01	HOLDER (L), SCREEN	
54	4-048-791-01	GLASS (61), DOOR		70	4-040-124-11	PLATE (L), DIFFUSION	
55	4-038-385-01	SPACER					
56	4-038-384-01	CATCHER, MAGNET		71	4-040-123-11	PLATE (F), DIFFUSION	
57	4-041-164-11	SCREW (4X20), TAPPING		72	* 4-049-096-01	HOLDER (RIGHT), SIDE	
58	X-4032-612-1	PANEL ASSY, CONTROL		73	* 4-049-098-01	CUSHION	
59	4-048-000-01	DOOR, CONTROL		74	* 4-049-097-01	HOLDER (LEFT), SIDE	
60	4-047-999-01	FILTER, REMOTE		75	* 4-037-351-01	HOLDER, MIRROR	
61	4-047-998-01	GUIDE, LIGHT, LED		76	4-050-128-01	MIRROR (61)	
62	4-048-001-01	BUTTON, MULTI		77	X-4033-048-1	COVER ASSY, MIRROR	
63	* A-1372-099-A	HA BOARD, COMPLETE		78	4-048-150-01	CAP, HOLE	
64	4-048-335-01	GRILLE, SPEAKER		79	4-039-009-02	CUSHION, GLASS	
65	1-504-785-11	SPEAKER (10CM)		80	1-505-377-11	SPEAKER (13CM)	
66	* 4-049-034-01	BOARD, REAR		81	* 4-054-051-01	COVER, SPEAKER	

5-3. CHASSIS

- : 7-685-648-79 +BVTP 3X12
- : 7-685-663-71 +BVTP 4X16
- △ : 7-685-661-14 +BVTP 4X12

The components identified by shading and mark △ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque △ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.



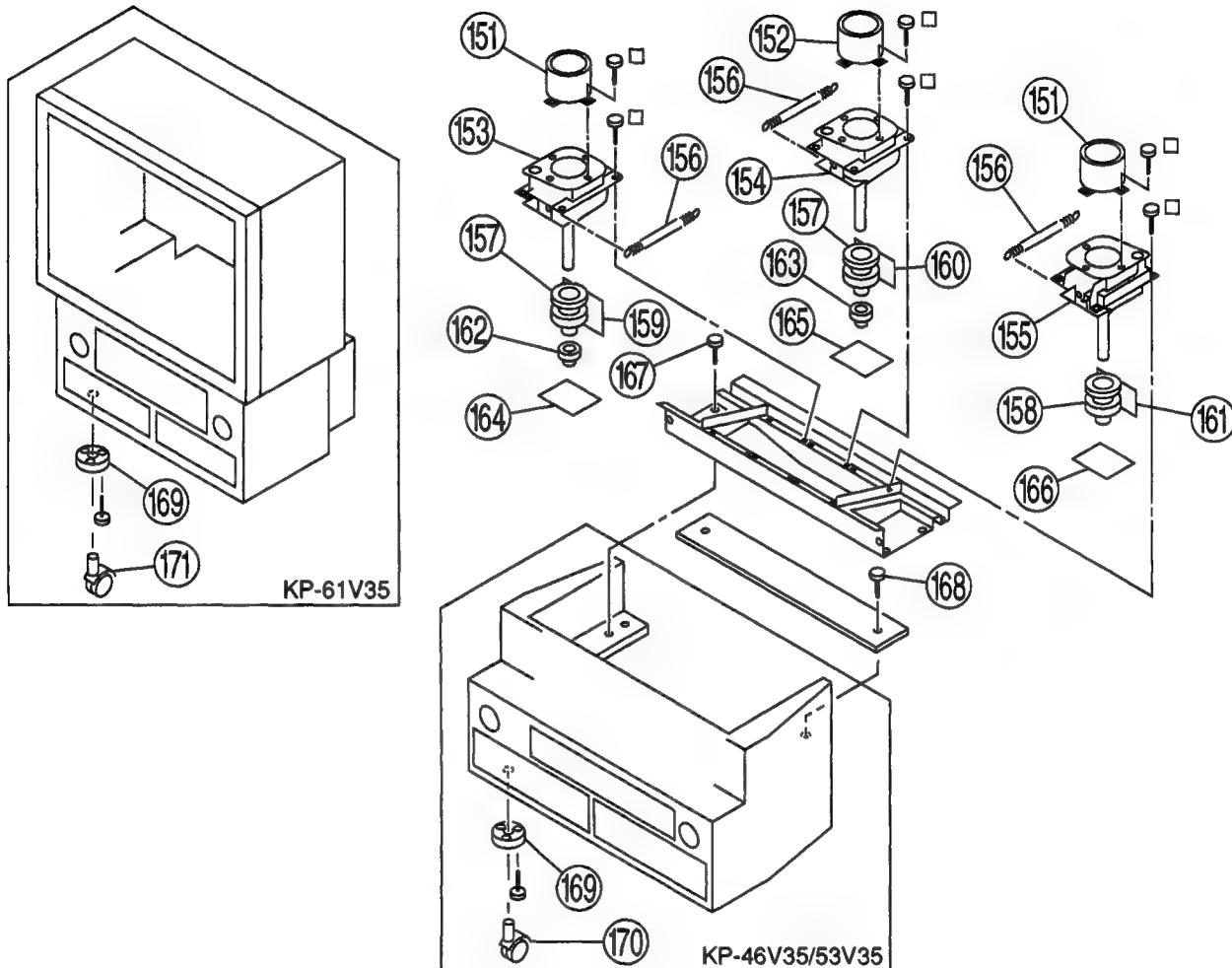
REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
101	△ A-1223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)		118	* A-1195-062-A	P BOARD, COMPLETE	
102	* A-1316-257-A	G BOARD, COMPLETE		119	4-047-951-41	TERMINAL BOARD (A)	
103	△ A-1-769-837-11	CORD, POWER (WITH NOISE FILTER)	(7.0A/125V)	120	4-041-165-01	SCREW (3X12), TAPPING, +BV	
104	* 3-659-682-11	HOLDER, PC BOARD		121	4-047-952-11	TERMINAL BOARD (B)	
105	* 4-382-848-01	HOLDER, PCB		122	1-417-178-11	SELECTOR, ANTENNA (AS-2)	
106	* 3-703-141-00	HOLDER, PCB		123	1-556-945-21	CABLE, P-P	
107	* A-1341-885-A	E BOARD, COMPLETE		124	* 4-047-950-01	BRACKET, D PC BOARD	
108	△ A-453-189-11	TRANSFORMER ASSY, FLYBACK	(NX-2631//A4S)	125	* A-1346-296-A	D BOARD, COMPLETE	
				126	* 4-047-949-01	BRACKET, MAIN PC BOARD	
109	A-1-900-211-34	LEAD ASSY, HV		127	△ A-398-047-11	TUNER, BTF-LA401	
110	* 3-687-542-41	SPACER, PC BOARD SPACE		128	* 1-557-056-41	CABLE, P-P	
111	4-041-164-11	SCREW (4X20), TAPPING		129	8-741-797-01	FILTER, DIGITAL COM SBX1797-01	
112	△ A-398-955-10	BLOCK ASSY, HIGH-VOLTAGE		130	4-047-937-01	LABEL (B), TERMINAL	
113	4-373-137-01	CAP (Z), RUBBER		131	4-054-050-01	LABEL (A), TERMINAL	
114	* A-1297-794-A	A BOARD, COMPLETE (KP-46V35/53V35)		132	* A-1304-087-A	MB BOARD, COMPLETE	
	* A-1297-795-A	A BOARD, COMPLETE (KP-61V35)		133	* 4-053-180-01	BRACKET, K	
115	△ A-398-254-00	TUNER, BTF-WA402		134	* A-1380-523-A	K BOARD, COMPLETE	
116	* A-1306-527-A	M BOARD, COMPLETE		135	* 4-053-181-01	HOLDER, PCB	
117	* A-1373-559-A	U BOARD, COMPLETE					

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

5-4. PICTURE TUBE

: 7-685-663-71 +BVTP 4X16



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
151	4-034-057-01	LENS (LINNIT) (KP-46V35/53V35)		160	* A-1390-489-A	ZG BOARD, COMPLETE	
	4-040-131-01	LENS (LINNIT POINT 6) (KP-61V35)		161	* A-1390-491-A	ZB BOARD, COMPLETE	
152	4-034-057-11	LENS (LINNIT) (KP-46V35/53V35)		162	Δ 1-452-790-21	NECK ASSY	
	4-040-131-11	LENS (LINNIT POINT 6) (KP-61V35)		163	Δ 1-452-790-11	NECK ASSY	
153	A 8-736-077-15	PICTURE TUBE 07MAC2(R) (KP-46V35)		164	* A-1331-498-A	CR BOARD, COMPLETE	
	A 8-736-077-25	PICTURE TUBE 07MAC3(R) (KP-53V35/61V35)		165	* A-1331-499-A	CG BOARD, COMPLETE	
154	Δ A 8-736-075-05	PICTURE TUBE 07MAC2(G)		166	* A-1331-500-A	CB BOARD, COMPLETE	
155	A 8-736-076-15	PICTURE TUBE 07MAC2(B) (KP-46V35)		167	4-052-894-01	SCREW (4X20), HEAD TAPPING	
	Δ A 8-736-076-25	PICTURE TUBE 07MAC3(B) (KP-53V35/61V35)		168	4-378-522-11	SCREW, TAPPING, HEXAGON HEAD	
156	4-048-142-01	SPRING, TENSION		169	4-030-850-01	SOCKET, CASTER	
				170	4-049-006-01	CASTER (KP-46V35/53V35)	
157	A 8-451-463-11	DEFLECTION YOKE Y829PA2N (R), (G)		171	4-040-508-01	CASTER (KP-61V35)	
158	A 8-451-463-21	DEFLECTION YOKE Y829PA2N2 (B)					
159	* A-1390-487-A	ZR BOARD, COMPLETE					

SECTION 6

ELECTRICAL PARTS LIST

P

NOTE:

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark  are critical for safety.
Replace only with part number specified.

- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
 - Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
 - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
 - E : nonflammable

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
* A-1195-062-A	P BOARD, COMPLETE	*****	*****	C3252	1-163-103-00	CERAMIC CHIP 27PF	5% 50V	
<CAPACITOR>								

C3201	1-126-967-11	ELECT 47MF	20%	16V	C3253	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3203	1-164-004-11	CERAMIC CHIP 0.1MF	10%	25V	C3254	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3204	1-126-964-11	ELECT 10MF	20%	50V	C3255	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3205	1-126-964-11	ELECT 10MF	20%	50V	C3256	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C3206	1-126-964-11	ELECT 10MF	20%	50V	C3257	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C3207	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	C3258	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C3208	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	C3259	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C3209	1-126-962-11	ELECT 3.3MF	20%	50V	C3260	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C3210	1-126-967-11	ELECT 47MF	20%	16V	C3261	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3212	1-126-962-11	ELECT 3.3MF	20%	50V	C3263	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3213	1-164-346-11	CERAMIC CHIP 1MF		16V	C3264	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3214	1-164-346-11	CERAMIC CHIP 1MF		16V	C3265	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3215	1-164-346-11	CERAMIC CHIP 1MF		16V	C3266	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3216	1-164-005-11	CERAMIC CHIP 0.47MF		25V	C3267	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3217	1-164-346-11	CERAMIC CHIP 1MF		16V	C3268	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3218	1-164-346-11	CERAMIC CHIP 1MF		16V	C3269	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3219	1-126-935-11	ELECT 470MF	20%	16V	C3270	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3220	1-164-346-11	CERAMIC CHIP 1MF		16V	C3271	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3221	1-164-346-11	CERAMIC CHIP 1MF		16V	C3272	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3222	1-164-336-11	CERAMIC CHIP 0.33MF		25V	C3273	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C3223	1-164-336-11	CERAMIC CHIP 0.33MF		25V	C3274	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3224	1-164-222-11	CERAMIC CHIP 0.22MF		25V	C3275	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3225	1-164-222-11	CERAMIC CHIP 0.22MF		25V	C3276	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C3226	1-164-005-11	CERAMIC CHIP 0.47MF		25V	C3277	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3227	1-164-346-11	CERAMIC CHIP 1MF		16V	C3278	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3228	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	<CONNECTOR>			
C3229	1-163-093-00	CERAMIC CHIP 10PF	5%	50V	CN150	1-573-297-21 CONNECTOR, BOARD TO BOARD 18P		
C3230	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V				
C3231	1-163-125-00	CERAMIC CHIP 220PF	5%	50V				
C3232	1-163-117-00	CERAMIC CHIP 100PF	5%	50V				
<DIODE>								
C3233	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	D3202	8-719-031-68	DIODE HVU359TRF	
C3234	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	D3203	8-719-404-46	DIODE MA110	
C3235	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	D3208	8-719-110-17	DIODE RD10ESB2	
C3236	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	D3209	8-719-110-17	DIODE RD10ESB2	
C3237	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	<IC>			
C3238	1-163-101-00	CERAMIC CHIP 22PF	5%	50V	IC3200	8-759-288-13	IC MSM51C262-ZS	
C3239	1-163-141-00	CERAMIC CHIP 0.001MF	5%	50V	IC3201	8-759-093-29	IC MB86144BPF-G-BND	
C3240	1-163-101-00	CERAMIC CHIP 22PF	5%	50V	IC3202	8-759-093-28	IC MB40176PF-G-BND-EF	
C3241	1-163-103-00	CERAMIC CHIP 27PF	5%	50V	IC3203	8-759-093-28	IC MB40176PF-G-BND-EF	
C3242	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	IC3204	8-759-093-25	IC MB3512PFQ	
C3243	1-163-117-00	CERAMIC CHIP 100PF	5%	50V	IC3205	8-759-243-19	IC TC7SU04F	
C3244	1-163-113-00	CERAMIC CHIP 68PF	5%	50V	<COIL>			
C3245	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	L3201	1-410-470-11	INDUCTOR 10UH	
C3246	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V	L3202	1-408-424-00	INDUCTOR 180UH	
C3247	1-163-033-91	CERAMIC CHIP 0.022MF		50V				
C3248	1-163-125-00	CERAMIC CHIP 220PF	5%	50V				
C3249	1-163-117-00	CERAMIC CHIP 100PF	5%	50V				
C3250	1-163-113-00	CERAMIC CHIP 68PF	5%	50V				
C3251	1-164-232-11	CERAMIC CHIP 0.01MF	10%	50V				

SECTION 6

ELECTRICAL PARTS LIST

P

NOTE:

Les composants identifiés par une trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark \triangle are critical for safety.
Replace only with part number specified.

- The components identified by \square in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

When indicating parts by reference number,
please include the board name.

CAPACITORS
 PF : $\mu\mu$ F

- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

RESISTORS

- All resistors are in ohms
- F : nonflammable

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
* A-1195-062-A P BOARD, COMPLETE *****				C3252	1-163-103-00	CERAMIC CHIP 27PF	5% 50V	
C3201	1-126-967-11	ELECT	47MF 20%	16V	C3253	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3203	1-164-004-11	CERAMIC CHIP	0.1MF 10%	25V	C3254	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3204	1-126-964-11	ELECT	10MF 20%	50V	C3255	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3205	1-126-964-11	ELECT	10MF 20%	50V	C3256	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C3206	1-126-964-11	ELECT	10MF 20%	50V	C3257	1-163-117-00	CERAMIC CHIP 100PF	5% 50V
C3207	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	C3258	1-163-113-00	CERAMIC CHIP 68PF	5% 50V
C3208	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	C3259	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C3209	1-126-962-11	ELECT	3.3MF 20%	50V	C3260	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C3210	1-126-967-11	ELECT	47MF 20%	16V	C3261	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3212	1-126-962-11	ELECT	3.3MF 20%	50V	C3263	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3213	1-164-346-11	CERAMIC CHIP	1MF	16V	C3264	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3214	1-164-346-11	CERAMIC CHIP	1MF	16V	C3265	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3215	1-164-346-11	CERAMIC CHIP	1MF	16V	C3266	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3216	1-164-005-11	CERAMIC CHIP	0.47MF	25V	C3267	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3217	1-164-346-11	CERAMIC CHIP	1MF	16V	C3268	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3218	1-164-346-11	CERAMIC CHIP	1MF	16V	C3269	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3219	1-126-935-11	ELECT	470MF 20%	16V	C3270	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3220	1-164-346-11	CERAMIC CHIP	1MF	16V	C3271	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3221	1-164-346-11	CERAMIC CHIP	1MF	16V	C3272	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C3222	1-164-336-11	CERAMIC CHIP	0.33MF	25V	C3273	1-163-109-00	CERAMIC CHIP 47PF	5% 50V
C3223	1-164-336-11	CERAMIC CHIP	0.33MF	25V	C3274	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3224	1-164-222-11	CERAMIC CHIP	0.22MF	25V	C3275	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3225	1-164-222-11	CERAMIC CHIP	0.22MF	25V	C3276	1-163-111-00	CERAMIC CHIP 56PF	5% 50V
C3226	1-164-005-11	CERAMIC CHIP	0.47MF	25V	C3277	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3227	1-164-346-11	CERAMIC CHIP	1MF	16V	C3278	1-163-101-00	CERAMIC CHIP 22PF	5% 50V
C3228	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	C3279	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C3229	1-163-093-00	CERAMIC CHIP	10PF 5%	50V	C3280	1-126-964-11	ELECT	10MF 20%
C3230	1-163-141-00	CERAMIC CHIP	0.001MF	50V	C3282	1-164-346-11	CERAMIC CHIP 1MF	16V
C3231	1-163-125-00	CERAMIC CHIP	220PF 5%	50V	<CONNECTOR>			
C3232	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	CN150	1-573-297-21	CONNECTOR, BOARD TO BOARD 18P	
C3233	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	<DIODE>			
C3234	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	D3202	8-719-031-68	DIODE HVU359TRF	
C3235	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	D3203	8-719-404-46	DIODE MA110	
C3236	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	D3208	8-719-110-17	DIODE RD10ESB2	
C3237	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	D3209	8-719-110-17	DIODE RD10ESB2	
C3238	1-163-101-00	CERAMIC CHIP	22PF 5%	50V	<IC>			
C3239	1-163-141-00	CERAMIC CHIP	0.001MF 5%	50V	IC3200	8-759-288-13	IC MSM51C262-ZS	
C3240	1-163-101-00	CERAMIC CHIP	22PF 5%	50V	IC3201	8-759-093-29	IC MB86144BPF-G-BND	
C3241	1-163-103-00	CERAMIC CHIP	27PF 5%	50V	IC3202	8-759-093-28	IC MB40176PF-G-BND-EF	
C3242	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	IC3203	8-759-093-28	IC MB40176PF-G-BND-EF	
C3243	1-163-117-00	CERAMIC CHIP	100PF 5%	50V	IC3204	8-759-093-25	IC MB3512PFQ	
C3244	1-163-113-00	CERAMIC CHIP	68PF 5%	50V	IC3205	8-759-243-19	IC TC7SU04F	
C3245	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	L3201	1-410-470-11	INDUCTOR 10UH	
C3246	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V	L3202	1-408-424-00	INDUCTOR 180UH	
C3247	1-163-033-91	CERAMIC CHIP	0.022MF 5%	50V				
C3248	1-163-125-00	CERAMIC CHIP	220PF 5%	50V				
C3249	1-163-117-00	CERAMIC CHIP	100PF 5%	50V				
C3250	1-163-113-00	CERAMIC CHIP	68PF 5%	50V				
C3251	1-164-232-11	CERAMIC CHIP	0.01MF 10%	50V				

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C243	1-137-399-11	FILM	0.1MF 5%	50V	CN222	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P	
C244	1-104-665-11	ELECT	100MF 20%	25V	CN223	* 1-564-507-11	PLUG, CONNECTOR 4P	
C245	1-137-399-11	FILM	0.1MF 5%	50V	CN224	* 1-564-507-11	PLUG, CONNECTOR 4P	
C249	1-137-399-11	FILM	0.1MF 5%	50V	CN225	* 1-564-513-11	PLUG, CONNECTOR 10P	
C262	1-104-664-11	ELECT	47MF 20%	25V	CN511	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C263	1-104-665-11	ELECT	100MF 20%	25V	CN527	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
C264	1-104-665-11	ELECT	100MF 20%	25V	CN528	1-695-915-11	TAB (CONTACT)	
C265	1-104-665-11	ELECT	100MF 20%	25V	CN541	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C266	1-104-665-11	ELECT	100MF 20%	25V	CN571	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P	
C267	1-104-664-11	ELECT	47MF 20%	25V	CN1026	* 1-564-506-11	PLUG, CONNECTOR 3P	
C270	1-102-978-00	CERAMIC	220PF 5%	50V	<DIODE>			
C271	1-102-123-00	CERAMIC	0.0033MF 10%	50V	D201	8-719-110-17	DIODE RD10ESB2	
C272	1-102-074-00	CERAMIC	0.001MF 10%	50V	D202	8-719-110-17	DIODE RD10ESB2	
C273	1-126-962-11	ELECT	3.3MF 20%	50V	D220	8-719-991-33	DIODE 1SS133T-77	
C274	1-126-964-11	ELECT	10MF 20%	50V	D221	8-719-991-33	DIODE 1SS133T-77	
C275	1-124-902-00	ELECT	0.47MF 20%	50V	D230	8-719-991-33	DIODE 1SS133T-77	
C276	1-102-125-00	CERAMIC	0.0047MF 10%	50V	D231	8-719-991-33	DIODE 1SS133T-77	
C277	1-126-963-11	ELECT	4.7MF 20%	50V	D232	8-719-991-33	DIODE 1SS133T-77	
C278	1-124-925-11	ELECT	2.2MF 20%	50V	D233	8-719-991-33	DIODE 1SS133T-77	
C279	1-126-963-11	ELECT	4.7MF 20%	50V	D234	8-719-991-33	DIODE 1SS133T-77	
C280	1-126-963-11	ELECT	4.7MF 20%	50V	D235	8-719-991-33	DIODE 1SS133T-77	
C281	1-102-123-00	CERAMIC	0.0033MF 10%	50V	D262	8-719-991-33	DIODE 1SS133T-77	
C282	1-102-125-00	CERAMIC	0.0047MF 10%	50V	D263	8-719-991-33	DIODE 1SS133T-77	
C283	1-126-963-11	ELECT	4.7MF 20%	50V	D264	8-719-991-33	DIODE 1SS133T-77	
C284	1-124-925-11	ELECT	2.2MF 20%	50V	D301	8-719-924-11	DIODE MTZJ-T-77-22	
C285	1-126-963-11	ELECT	4.7MF 20%	50V	D302	8-719-924-11	DIODE MTZJ-T-77-22	
C286	1-126-963-11	ELECT	4.7MF 20%	50V	D303	8-719-924-11	DIODE MTZJ-T-77-22	
C287	1-102-074-00	CERAMIC	0.001MF 10%	50V	D304	8-719-924-11	DIODE MTZJ-T-77-22	
C288	1-104-665-11	ELECT	100MF 20%	25V	D501	8-719-991-33	DIODE 1SS133T-77	
C289	1-124-903-11	ELECT	1MF 20%	50V	D502	8-719-983-14	DIODE MTZJ-T-77-3.9	
C290	1-102-978-00	CERAMIC	220PF 5%	50V	D504	8-719-991-33	DIODE 1SS133T-77	
C291	1-124-902-00	ELECT	0.47MF 20%	50V	D505	8-719-991-33	DIODE 1SS133T-77	
C292	1-104-664-11	ELECT	47MF 20%	25V	D506	8-719-300-80	DIODE RU-1C	
C501	1-124-902-00	ELECT	0.47MF 20%	50V	D507	8-719-018-82	DIODE RGP02-20EL-6394	
C502	1-104-664-11	ELECT	47MF 20%	25V	D509	8-719-900-95	DIODE V09G (KP-46V35/53V35)	
C503	1-137-370-11	FILM	0.01MF 5%	50V	D510	8-719-900-95	DIODE V09G (KP-46V35/53V35)	
C504	1-102-973-00	CERAMIC	100PF 5%	50V	<IC>			
C505	1-137-372-11	FILM	0.022MF 5%	50V	IC201	8-759-135-80	IC uPC358C	
C506	1-123-024-21	ELECT	33MF	160V	IC202	8-759-090-21	IC TDA8424	
C507	1-107-368-11	FILM	0.047MF 10%	200V	IC230	8-759-190-89	IC TDA7265	
C508	1-107-638-11	ELECT	33MF 20%	160V	IC262	8-759-054-12	IC PQ09RA1	
C509	1-107-368-11	FILM	0.047MF 10%	200V	IC263	8-759-504-46	IC PQ05RF1	
C510	1-102-030-00	CERAMIC	330PF 10%	500V	IC264	8-759-279-76	IC MCT7812CT	
C511	1-137-414-11	FILM	0.0047MF 10%	100V	IC270	8-759-253-06	IC XR1071CP	
C512	1-162-115-00	CERAMIC	330PF 10%	2KV	IC271	8-752-057-18	IC CXA1315P	
C513	1-136-598-11	FILM	3MF 5%	200V	IC1001	8-759-300-71	IC HD14053BFP	
C514	1-136-613-11	FILM	0.0068MF 3%	2KV	<COIL>			
C515	1-162-114-00	CERAMIC	0.0047MF	2KV	L501	1-411-189-11	COIL, CHOKE 15mH	
C516	1-107-719-11	ELECT	220MF 20%	50V	L503	1-406-832-11	COIL, HORIZONTAL LINEARITY(HLC)	
C517	1-126-971-11	ELECT	470MF 20%	50V	L1001	1-408-408-00	INDUCTOR 8.2UH	
C518	1-126-971-11	ELECT	470MF 20%	50V	L1002	1-408-408-00	INDUCTOR 8.2UH	
C519	1-124-903-11	ELECT	1MF 20%	50V	L1003	1-408-421-00	INDUCTOR 100UH	
C1001	1-126-963-11	ELECT	4.7MF 20%	50V	L1004	1-408-408-00	INDUCTOR 8.2UH	
C1002	1-126-964-11	ELECT	10MF 20%	50V	L1006	1-408-408-00	INDUCTOR 8.2UH	
C1003	1-126-965-11	ELECT	22MF 20%	50V	L1007	1-408-408-00	INDUCTOR 8.2UH	
C1004	1-126-952-11	ELECT	1000MF 20%	16V	<TRANSISTOR>			
C1005	1-104-665-11	ELECT	100MF 20%	25V	Q220	8-729-927-14	TRANSISTOR DTC323TS	
C1006	1-101-004-00	CERAMIC	0.01MF	50V	Q221	8-729-119-76	TRANSISTOR 2SA1175-HFE	
C1007	1-126-935-11	ELECT	470MF 20%	16V				
C1008	1-101-004-00	CERAMIC	0.01MF	50V				
C1009	1-126-964-11	ELECT	10MF 20%	50V				
C1010	1-126-964-11	ELECT	10MF 20%	50V				
C1011	1-102-121-00	CERAMIC	0.0022MF 10%	50V				
C1012	1-102-121-00	CERAMIC	0.0022MF 10%	50V				
<CONNECTOR>								
CN221	1-573-298-21	CONNECTOR, BOARD TO BOARD 20P						

A

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q222	8-729-927-14	TRANSISTOR DTC323TS		R252	1-249-417-11	CARBON	1K 5% 1/4W
Q223	8-729-119-76	TRANSISTOR 2SA1175-HFE		R253	1-249-417-11	CARBON	1K 5% 1/4W
Q230	8-729-119-78	TRANSISTOR 2SC2785-HFE		R254	1-249-417-11	CARBON	1K 5% 1/4W
Q231	8-729-119-78	TRANSISTOR 2SC2785-HFE		R255	1-249-429-11	CARBON	10K 5% 1/4W
Q232	8-729-119-78	TRANSISTOR 2SC2785-HFE		R256	1-249-436-11	CARBON	39K 5% 1/4W
Q233	8-729-119-78	TRANSISTOR 2SC2785-HFE		R257	1-249-429-11	CARBON	10K 5% 1/4W
Q234	8-729-119-78	TRANSISTOR 2SC2785-HFE		R258	1-249-429-11	CARBON	10K 5% 1/4W
Q235	8-729-119-76	TRANSISTOR 2SA1175-HFE		R259	1-216-357-00	METAL OXIDE	4.7 5% 1W F
Q236	8-729-119-78	TRANSISTOR 2SC2785-HFE		R260	1-216-357-00	METAL OXIDE	4.7 5% 1W F
Q237	8-729-119-78	TRANSISTOR 2SC2785-HFE		R270	1-215-440-00	METAL	6.2K 1% 1/4W
Q238	8-729-119-78	TRANSISTOR 2SC2785-HFE		R271	1-249-429-11	CARBON	10K 5% 1/4W
Q270	8-729-119-76	TRANSISTOR 2SA1175-HFE		R272	1-247-883-00	CARBON	150K 5% 1/4W
Q271	8-729-119-78	TRANSISTOR 2SC2785-HFE		R273	1-249-429-11	CARBON	10K 5% 1/4W
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE		R274	1-249-441-11	CARBON	100K 5% 1/4W
Q502	8-729-119-76	TRANSISTOR 2SA1175-HFE		R276	1-249-425-11	CARBON	4.7K 5% 1/4W
Q503	8-729-119-78	TRANSISTOR 2SC2785-HFE		R277	1-249-429-11	CARBON	10K 5% 1/4W
Q504	8-729-119-78	TRANSISTOR 2SC2785-HFE		R279	1-249-441-11	CARBON	100K 5% 1/4W
Q505	8-729-119-80	TRANSISTOR 2SC2688-LK		R280	1-249-417-11	CARBON	1K 5% 1/4W
Q506	8-729-201-32	TRANSISTOR 2SA1013-O		R281	1-249-429-11	CARBON	10K 5% 1/4W
Q507	8-729-304-92	TRANSISTOR 2SB649A-C		R282	1-215-440-00	METAL	6.2K 1% 1/4W
Q508	8-729-201-32	TRANSISTOR 2SA1013-O		R283	1-249-429-11	CARBON	10K 5% 1/4W
Q509	8-729-010-98	TRANSISTOR 2SA1492M-OPY		R501	1-249-421-11	CARBON	2.2K 5% 1/4W
Q510	8-729-021-48	TRANSISTOR 2SD2348LBSONY		R502	1-249-429-11	CARBON	10K 5% 1/4W
Q511	8-729-119-76	TRANSISTOR 2SA1175-HFE		R503	1-249-441-11	CARBON	100K 5% 1/4W
Q1001	8-729-119-76	TRANSISTOR 2SA1175-HFE		R504	1-249-429-11	CARBON	10K 5% 1/4W
Q1002	8-729-119-76	TRANSISTOR 2SA1175-HFE		R505	1-215-437-00	METAL	4.7K 1% 1/4W
Q1003	8-729-119-76	TRANSISTOR 2SA1175-HFE		R506	1-215-433-00	METAL	3.3K 1% 1/4W
Q1004	8-729-119-78	TRANSISTOR 2SC2785-HFE		R507	1-249-407-11	CARBON	150 5% 1/4W
<RESISTOR>							
R207	1-249-431-11	CARBON	15K 5% 1/4W	R508	1-249-421-11	CARBON	2.2K 5% 1/4W
R208	1-249-429-11	CARBON	10K 5% 1/4W	R509	1-249-423-11	CARBON	3.3K 5% 1/4W
R209	1-249-431-11	CARBON	15K 5% 1/4W	R510	1-249-417-11	CARBON	1K 5% 1/4W
R210	1-247-815-91	CARBON	220 5% 1/4W	R511	1-247-895-91	CARBON	470K 5% 1/4W
R211	1-249-429-11	CARBON	10K 5% 1/4W	R512	1-215-925-11	METAL OXIDE	22K 5% 3W F
R212	1-249-441-11	CARBON	100K 5% 1/4W	R513	1-215-900-11	METAL OXIDE	22K 5% 2W F
R213	1-249-441-11	CARBON	100K 5% 1/4W	R514	1-249-421-11	CARBON	2.2K 5% 1/4W F
R214	1-247-815-91	CARBON	220 5% 1/4W	R515	1-215-925-11	METAL OXIDE	22K 5% 3W F
R215	1-249-441-11	CARBON	100K 5% 1/4W	R516	1-249-430-11	CARBON	12K 5% 1/4W F
R216	1-249-441-11	CARBON	100K 5% 1/4W	R517	1-249-429-11	CARBON	10K 5% 1/4W
R217	1-247-807-31	CARBON	100 5% 1/4W	R518	1-249-427-11	CARBON	6.8K 5% 1/4W F
R218	1-247-807-31	CARBON	100 5% 1/4W	R519	1-249-417-11	CARBON	1K 5% 1/4W
R219	1-249-417-11	CARBON	1K 5% 1/4W	R520	1-249-423-11	CARBON	3.3K 5% 1/4W F
R220	1-249-429-11	CARBON	10K 5% 1/4W	R521	1-249-437-11	CARBON	47K 5% 1/4W
R221	1-249-437-11	CARBON	47K 5% 1/4W	R522	1-249-417-11	CARBON	1K 5% 1/4W F
R222	1-249-417-11	CARBON	1K 5% 1/4W	R523	1-249-426-11	CARBON	5.6K 5% 1/4W F
R223	1-249-429-11	CARBON	10K 5% 1/4W	R524	1-215-925-11	METAL OXIDE	22K 5% 3W F
R224	1-249-429-11	CARBON	10K 5% 1/4W	R525	1-216-373-11	METAL OXIDE	2.2 5% 2W F
R230	1-249-427-11	CARBON	6.8K 5% 1/4W	R526	1-216-478-11	METAL OXIDE	390 5% 3W F
R231	1-249-429-11	CARBON	10K 5% 1/4W	R528	1-216-477-11	METAL OXIDE	270 5% 3W F (KP-46V35/53V35)
R233	1-249-429-11	CARBON	10K 5% 1/4W	R529	1-216-477-11	METAL OXIDE	270 5% 3W F (KP-46V35/53V35)
R234	1-249-441-11	CARBON	100K 5% 1/4W	R530	1-216-477-11	METAL OXIDE	270 5% 3W F (KP-46V35/53V35)
R235	1-249-414-11	CARBON	560 5% 1/4W	R531	1-216-477-11	METAL OXIDE	270 5% 3W F (KP-46V35/53V35)
R236	1-249-432-11	CARBON	18K 5% 1/4W	R532	1-215-442-00	METAL	7.5K 1% 1/4W
R237	1-249-414-11	CARBON	560 5% 1/4W	R533	1-215-443-00	METAL	8.2K 1% 1/4W
R238	1-249-431-11	CARBON	15K 5% 1/4W	R534	1-215-437-00	METAL	4.7K 1% 1/4W
R239	1-249-427-11	CARBON	6.8K 5% 1/4W	R1001	1-215-900-11	METAL OXIDE	22K 5% 2W F
R241	1-249-439-11	CARBON	68K 5% 1/4W	R1002	1-215-900-11	METAL OXIDE	22K 5% 2W F
R242	1-249-432-11	CARBON	18K 5% 1/4W	R1003	1-249-411-11	CARBON	330 5% 1/4W
R243	1-247-863-91	CARBON	22K 5% 1/4W	R1004	1-249-434-11	CARBON	27K 5% 1/4W
R244	1-247-863-91	CARBON	22K 5% 1/4W	R1005	1-249-436-11	CARBON	39K 5% 1/4W
R245	1-249-437-11	CARBON	47K 5% 1/4W	R1006	1-249-434-11	CARBON	27K 5% 1/4W
R246	1-247-863-91	CARBON	22K 5% 1/4W	R1007	1-249-425-11	CARBON	4.7K 5% 1/4W
R247	1-249-430-11	CARBON	12K 5% 1/4W	R1009	1-247-807-31	CARBON	100 5% 1/4W
R248	1-249-437-11	CARBON	47K 5% 1/4W	R1010	1-249-411-11	CARBON	330 5% 1/4W
R249	1-247-807-31	CARBON	100 5% 1/4W	R1011	1-249-425-11	CARBON	4.7K 5% 1/4W
R250	1-249-417-11	CARBON	1K 5% 1/4W	R1012	1-249-425-11	CARBON	4.7K 5% 1/4W
R251	1-249-437-11	CARBON	47K 5% 1/4W				

A MB M

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R1013	1-247-807-31	CARBON	100	5%	1/4W	R2907	1-249-417-11	CARBON	1K	5%	1/4W
R1014	1-249-436-11	CARBON	39K	5%	1/4W	R2908	1-249-414-11	CARBON	560	5%	1/4W
R1016	1-247-807-31	CARBON	100	5%	1/4W	R2909	1-249-413-11	CARBON	470	5%	1/4W
R1017	1-249-417-11	CARBON	1K	5%	1/4W	R2910	1-249-429-11	CARBON	10K	5%	1/4W
R1018	1-215-432-00	METAL	3K	1%	1/4W	R2911	1-249-437-11	CARBON	47K	5%	1/4W
R1019	1-249-441-11	CARBON	100K	5%	1/4W	R2912	1-249-425-11	CARBON	4.7K	5%	1/4W
<RELAY>											
RY230	1-755-028-11	RELAY				R2913	1-249-429-11	CARBON	10K	5%	1/4W
RY231	1-755-028-11	RELAY				R2914	1-249-437-11	CARBON	47K	5%	1/4W
<TRANSFORMER>											
T501	A 1-437-078-11	TRANSFORMER, HORIZONTAL DRIVE				R2915	1-249-429-11	CARBON	10K	5%	1/4W
<TUNER>											
TU1001	A 8-598-047-11	TUNER BTF-LA401				R2916	1-249-437-11	CARBON	47K	5%	1/4W
TU1002	A 8-598-254-00	TUNER BTF-WA402				R2917	1-249-429-11	CARBON	10K	5%	1/4W

* A-1304-087-A MB BOARD, COMPLETE											

<CAPACITOR>											
C2901	1-102-116-00	CERAMIC	680PF	10%	50V	R2918	1-247-863-91	CARBON	22K	5%	1/4W
C2902	1-102-116-00	CERAMIC	680PF	10%	50V	R2919	1-247-863-91	CARBON	22K	5%	1/4W
C2903	1-101-004-00	CERAMIC	0.01MF			R2920	1-249-425-11	CARBON	4.7K	5%	1/4W
C2904	1-126-964-11	ELECT	10MF	20%	50V	R2921	1-249-425-11	CARBON	4.7K	5%	1/4W
C2905	1-126-964-11	ELECT	10MF	20%	50V	R2922	1-247-815-91	CARBON	220	5%	1/4W
C2906	1-101-004-00	CERAMIC	0.01MF			R2923	1-249-425-11	CARBON	4.7K	5%	1/4W
C2907	1-101-004-00	CERAMIC	0.01MF			R2925	1-247-815-91	CARBON	220	5%	1/4W
C2908	1-126-964-11	ELECT	10MF	20%	50V	R2926	1-247-815-91	CARBON	220	5%	1/4W

* A-1306-527-A M BOARD, COMPLETE											

<CONNECTOR>											
CN2957 * 1-564-515-11 PLUG, CONNECTOR 12P											
<IC>											
IC2901	8-759-388-26	IC NJM2129D				C001	1-126-935-11	ELECT	470MF	20%	16V
IC2902	8-759-984-03	IC LM339N				C002	1-126-916-11	ELECT	1000MF	20%	6.3V
IC2903	8-752-057-18	IC CXA1315P				C004	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
<TRANSISTOR>											
Q2901	8-729-119-76	TRANSISTOR 2SA1175-HFE				C005	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2902	8-729-119-76	TRANSISTOR 2SA1175-HFE				C006	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2903	8-729-119-76	TRANSISTOR 2SA1175-HFE				C007	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2904	8-729-119-76	TRANSISTOR 2SA1175-HFE				C009	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2905	8-729-119-78	TRANSISTOR 2SC2785-HFE				C010	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2906	8-729-119-78	TRANSISTOR 2SC2785-HFE				C011	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2907	8-729-119-76	TRANSISTOR 2SA1175-HFE				C012	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2908	8-729-119-78	TRANSISTOR 2SC2785-HFE				C013	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
Q2909	8-729-119-78	TRANSISTOR 2SC2785-HFE				C014	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
<RESISTOR>											
R2901	1-249-429-11	CARBON	10K	5%	1/4W	C015	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2902	1-249-429-11	CARBON	10K	5%	1/4W	C016	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2903	1-249-417-11	CARBON	1K	5%	1/4W	C017	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2904	1-249-429-11	CARBON	10K	5%	1/4W	C018	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2905	1-249-429-11	CARBON	10K	5%	1/4W	C019	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
R2906	1-249-414-11	CARBON	560	5%	1/4W	C020	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
<CAPACITOR>											
C021	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C021	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C022	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C023	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C024	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C024	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C025	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C025	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C026	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C026	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C028	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C028	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C029	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C029	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C030	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C031	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C031	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C032	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
C032	1-163-001-11	CERAMIC CHIP	220PF	10%	50V	C033	1-163-809-11	CERAMIC CHIP	0.047MF	10%	25V



REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C034	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C355	1-126-965-11	ELECT 22MF	20% 50V
C035	1-124-903-11	ELECT 1MF	20% 50V	C357	1-104-664-11	ELECT 47MF	20% 25V
C037	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V	C358	1-163-231-11	CERAMIC CHIP 15PF	5% 50V
C038	1-126-935-11	ELECT 470MF	20% 16V	C359	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C040	1-124-903-11	ELECT 1MF	20% 50V	C360	1-126-964-11	ELECT 10MF	20% 50V
C041	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C361	1-126-964-11	ELECT 10MF	20% 50V
C042	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C362	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C046	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C363	1-163-009-11	CERAMIC CHIP 0.001MF	10% 50V
C047	1-124-903-11	ELECT 1MF	20% 50V	C364	1-126-964-11	ELECT 10MF	20% 50V
C048	1-163-245-11	CERAMIC CHIP 56PF	5% 50V	C365	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C049	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C366	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C050	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C368	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C051	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C369	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C054	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	C370	1-104-665-11	ELECT 100MF	20% 25V
C055	1-163-037-11	CERAMIC CHIP 0.022MF	10% 50V	C371	1-104-665-11	ELECT 100MF	20% 25V
C056	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	<CHIP CONDUCTOR>			
C057	1-163-229-11	CERAMIC CHIP 12PF	5% 50V	CJ001	1-216-295-91	CONDUCTOR, CHIP	
C058	1-163-102-00	CERAMIC CHIP 24PF	5% 50V	CJ002	1-216-295-91	CONDUCTOR, CHIP	
C060	1-124-903-11	ELECT 1MF	20% 50V	CJ003	1-216-295-91	CONDUCTOR, CHIP	
C062	1-163-038-91	CERAMIC CHIP 0.1MF	25V	<CONNECTOR>			
C063	1-126-964-11	ELECT 10MF	20% 50V	CN046	* 1-564-512-11	PLUG, CONNECTOR 9P	
C064	1-126-964-11	ELECT 10MF	20% 50V	CN052	* 1-564-507-11	PLUG, CONNECTOR 4P	
C065	1-163-038-91	CERAMIC CHIP 0.1MF	25V	CN053	* 1-564-507-11	PLUG, CONNECTOR 4P	
C066	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	CN054	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
C067	1-137-399-11	FILM 0.1MF	5% 50V	CN070	* 1-564-512-11	PLUG, CONNECTOR 9P	
C068	1-137-367-11	FILM 0.0033MF	5% 50V	CN304	* 1-564-512-11	PLUG, CONNECTOR 9P	
C069	1-137-375-11	FILM 0.068MF	5% 50V	CN314	* 1-564-509-11	PLUG, CONNECTOR 6P	
C070	1-104-664-11	ELECT 47MF	20% 25V	CN321	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
C071	1-124-464-11	ELECT 0.22MF	20% 50V	CN322	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P	
C074	1-126-935-11	ELECT 470MF	20% 16V	CN351	* 1-564-509-11	PLUG, CONNECTOR 6P	
C075	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN355	* 1-565-930-11	CONNECTOR (RECEPTACLE) 30P	
C076	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	CN356	* 1-566-367-11	CONNECTOR, HINGE (RECEPTACLE)	
C302	1-124-902-00	ELECT 0.47MF	20% 50V	CN357	* 1-564-516-11	PLUG, CONNECTOR 13P	
C303	1-124-902-00	ELECT 0.47MF	20% 50V	CN358	* 1-564-508-11	PLUG, CONNECTOR 5P	
C304	1-126-963-11	ELECT 4.7MF	20% 50V	<DIODE>			
C309	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V	D001	8-719-404-46	DIODE MA110	
C310	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D002	8-719-404-46	DIODE MA110	
C311	1-124-925-11	ELECT 2.2MF	20% 50V	D003	8-719-404-46	DIODE MA110	
C312	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D004	8-719-109-89	DIODE RD5.6ESB2	
C313	1-104-664-11	ELECT 47MF	20% 25V	D005	8-719-109-89	DIODE RD5.6ESB2	
C314	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D006	8-719-109-89	DIODE RD5.6ESB2	
C315	1-126-934-11	ELECT 220MF	20% 16V	D007	8-719-109-89	DIODE RD5.6ESB2	
C316	1-131-374-00	TANTALUM 33MF	10% 16V	D008	8-719-002-81	DIODE 1T363	
C317	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D009	8-719-404-46	DIODE MA110	
C318	1-124-925-11	ELECT 2.2MF	20% 50V	D010	8-719-404-46	DIODE MA110	
C319	1-124-903-11	ELECT 1MF	20% 50V	D011	8-719-404-46	DIODE MA110	
C320	1-124-903-11	ELECT 1MF	20% 50V	D012	8-719-404-46	DIODE MA110	
C321	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	D013	8-719-404-46	DIODE MA110	
C323	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D014	8-719-404-46	DIODE MA110	
C324	1-126-965-11	ELECT 22MF	20% 50V	D015	8-719-404-46	DIODE MA110	
C327	1-163-139-00	CERAMIC CHIP 820PF	5% 50V	D016	8-719-404-46	DIODE MA110	
C328	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	D017	8-719-404-46	DIODE MA110	
C329	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	D018	8-719-404-46	DIODE MA110	
C338	1-126-963-11	ELECT 4.7MF	20% 50V	D019	8-719-404-46	DIODE MA110	
C339	1-124-464-11	ELECT 0.22MF	20% 50V	D020	8-719-105-91	DIODE RD5.6M-B2	
C340	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	D305	8-719-923-60	DIODE MTZJ-T-77-9.1A	
C341	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	D307	8-719-923-60	DIODE MTZJ-T-77-9.1A	
C342	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	D308	8-719-110-22	DIODE RD11ESB2	
C343	1-163-001-11	CERAMIC CHIP 220PF	10% 50V	D309	8-719-109-84	DIODE RD5.1ESB1	
C344	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D310	8-719-914-44	DIODE DAP202K	
C345	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D311	8-719-914-43	DIODE DAN202K	
C346	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D312	8-719-404-46	DIODE MA110	
C347	1-124-902-00	ELECT 0.47MF	20% 50V	D313	8-719-404-46	DIODE MA110	
C348	1-163-231-11	CERAMIC CHIP 15PF	5% 50V				
C349	1-163-243-11	CERAMIC CHIP 47PF	5% 50V				
C350	1-126-964-11	ELECT 10MF	20% 50V				
C352	1-163-031-11	CERAMIC CHIP 0.01MF	50V				
C353	1-104-665-11	ELECT 100MF	20% 25V				
C354	1-163-235-11	CERAMIC CHIP 22PF	5% 50V				





REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R062	1-216-085-00	METAL GLAZE 33K	5%	1/10W	R311	1-216-025-91	METAL GLAZE 100	5%	1/10W
R063	1-216-041-00	METAL GLAZE 470	5%	1/10W	R312	1-216-033-00	METAL GLAZE 220	5%	1/10W
R064	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R313	1-216-081-00	METAL GLAZE 22K	5%	1/10W
R065	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R314	1-216-033-00	METAL GLAZE 220	5%	1/10W
R066	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R315	1-216-067-00	METAL GLAZE 5.6K	5%	1/10W
R067	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R317	1-216-033-00	METAL GLAZE 220	5%	1/10W
R068	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R318	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R069	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R319	1-216-190-00	METAL GLAZE 470	5%	1/8W
R071	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R320	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W
R072	1-216-041-00	METAL GLAZE 470	5%	1/10W	R321	1-216-190-00	METAL GLAZE 470	5%	1/8W
R073	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R323	1-216-295-91	CONDUCTOR, CHIP		
R074	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R324	1-216-025-91	METAL GLAZE 100	5%	1/10W
R075	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W	R325	1-216-043-91	METAL GLAZE 560	5%	1/10W
R076	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R326	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R079	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R327	1-216-033-00	METAL GLAZE 220	5%	1/10W
R080	1-216-023-00	METAL GLAZE 82	5%	1/10W	R328	1-216-025-91	METAL GLAZE 100	5%	1/10W
R081	1-216-041-00	METAL GLAZE 470	5%	1/10W	R329	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R082	1-216-093-00	METAL GLAZE 68K	5%	1/10W	R330	1-216-039-00	METAL GLAZE 390	5%	1/10W
R083	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R331	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R084	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R332	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R085	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R333	1-208-810-11	METAL CHIP 15K	0.50%	1/10W
R086	1-216-097-91	METAL GLAZE 100K	5%	1/10W	R335	1-216-033-00	METAL GLAZE 220	5%	1/10W
R087	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R336	1-216-033-00	METAL GLAZE 220	5%	1/10W
R088	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R337	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R089	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R338	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R090	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R339	1-216-655-11	METAL CHIP 1.5K	0.50%	1/10W
R091	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R340	1-216-033-00	METAL GLAZE 220	5%	1/10W
R092	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R341	1-216-033-00	METAL GLAZE 220	5%	1/10W
R093	1-216-295-91	CONDUCTOR, CHIP			R342	1-216-033-00	METAL GLAZE 220	5%	1/10W
R094	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R343	1-216-077-00	METAL GLAZE 15K	5%	1/10W
R095	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R344	1-216-073-00	METAL GLAZE 10K	5%	1/10W
R096	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R345	1-216-025-91	METAL GLAZE 100	5%	1/10W
R097	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R346	1-216-037-00	METAL GLAZE 330	5%	1/10W
R098	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R347	1-216-041-00	METAL GLAZE 470	5%	1/10W
R099	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R348	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R100	1-216-295-91	CONDUCTOR, CHIP			R352	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R101	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R353	1-216-069-00	METAL GLAZE 6.8K	5%	1/10W
R102	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R354	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R103	1-216-045-00	METAL GLAZE 680	5%	1/10W	R355	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R104	1-216-033-00	METAL GLAZE 220	5%	1/10W	R356	1-216-031-00	METAL GLAZE 180	5%	1/10W
R106	1-216-033-00	METAL GLAZE 220	5%	1/10W	R357	1-216-031-00	METAL GLAZE 180	5%	1/10W
R107	1-216-033-00	METAL GLAZE 220	5%	1/10W	R358	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R108	1-216-033-00	METAL GLAZE 220	5%	1/10W	R359	1-216-037-00	METAL GLAZE 330	5%	1/10W
R109	1-216-033-00	METAL GLAZE 220	5%	1/10W	R360	1-216-035-00	METAL GLAZE 270	5%	1/10W
R110	1-216-033-00	METAL GLAZE 220	5%	1/10W	R361	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R111	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R362	1-216-035-00	METAL GLAZE 270	5%	1/10W
R112	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R363	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R113	1-216-089-91	METAL GLAZE 47K	5%	1/10W	R364	1-216-025-91	METAL GLAZE 100	5%	1/10W
R114	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R366	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R115	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R367	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W
R116	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	R368	1-216-025-91	METAL GLAZE 100	5%	1/10W
R117	1-216-047-91	METAL GLAZE 820	5%	1/10W	R369	1-216-061-00	METAL GLAZE 3.3K	5%	1/10W
R118	1-216-047-91	METAL GLAZE 820	5%	1/10W	R370	1-216-033-00	METAL GLAZE 220	5%	1/10W
R119	1-216-047-91	METAL GLAZE 820	5%	1/10W	R371	1-216-049-91	METAL GLAZE 1K	5%	1/10W
R120	1-216-033-00	METAL GLAZE 220	5%	1/10W	R372	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W
R122	1-216-033-00	METAL GLAZE 220	5%	1/10W	R373	1-216-035-00	METAL GLAZE 270	5%	1/10W
R123	1-216-033-00	METAL GLAZE 220	5%	1/10W	R374	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R124	1-216-033-00	METAL GLAZE 220	5%	1/10W	R375	1-216-075-00	METAL GLAZE 12K	5%	1/10W
R300	1-216-025-91	METAL GLAZE 100	5%	1/10W	R376	1-216-093-00	METAL GLAZE 68K	5%	1/10W
R301	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W	R377	1-216-043-91	METAL GLAZE 560	5%	1/10W
R302	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R378	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W
R303	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R379	1-216-083-00	METAL GLAZE 27K	5%	1/10W
R304	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R380	1-216-097-91	METAL GLAZE 100K	5%	1/10W
R305	1-216-025-91	METAL GLAZE 100	5%	1/10W	R381	1-216-071-00	METAL GLAZE 8.2K	5%	1/10W
R306	1-216-025-91	METAL GLAZE 100	5%	1/10W	R382	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R307	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	R383	1-216-043-91	METAL GLAZE 560	5%	1/10W
R308	1-216-073-00	METAL GLAZE 10K	5%	1/10W	R384	1-216-053-00	METAL GLAZE 1.5K	5%	1/10W
R309	1-216-025-91	METAL GLAZE 100	5%	1/10W	R385	1-216-085-00	METAL GLAZE 33K	5%	1/10W
R310	1-216-081-00	METAL GLAZE 22K	5%	1/10W					



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REF. NO.	PART NO.	DESCRIPTION	REMARK
R386	1-216-121-91	METAL GLAZE 1M	5% 1/10W
R387	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R388	1-216-025-91	METAL GLAZE 100	5% 1/10W

R389	1-216-033-00	METAL GLAZE 220	5% 1/10W
R390	1-216-033-00	METAL GLAZE 220	5% 1/10W
R391	1-216-061-00	METAL GLAZE 3.3K	5% 1/10W
R392	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R393	1-216-049-91	METAL GLAZE 1K	5% 1/10W

R394	1-216-295-91	CONDUCTOR, CHIP	
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<CRYSTAL>

X001	1-579-917-11	VIBRATOR, CRYSTAL	
X301	1-577-611-11	OSCILALTOR, CERAMIC	
X302	1-567-505-11	OSCILLATOR, CRYSTAL	

* A-1316-257-A G BOARD, COMPLETE

* 4-047-936-01 PLATE, SHIELD, PIT
4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C601	Δ 1-136-311-51	FILM	0.47MF	20%	125V
C602	Δ 1-113-920-91	ELECT	0.0022MF	20%	250V
C603	Δ 1-113-920-91	ELECT	0.0022MF	20%	250V
C604	Δ 1-125-692-11	ELECT(BLOCK)	820MF	20%	200V
C605	Δ 1-125-692-11	ELECT(BLOCK)	820MF	20%	200V

C608	1-164-645-11	CERAMIC	1000PF	10%	500V
C609	1-164-645-11	CERAMIC	1000PF	10%	500V
C610	1-136-173-00	FILM	0.47MF	5%	50V
C611	1-136-171-00	FILM	0.33MF	5%	50V
C612	1-136-173-00	FILM	0.47MF	5%	50V
C613	1-136-171-00	FILM	0.33MF	5%	50V
C614	1-164-735-11	CAPACITOR	0.0015MF	10%	500V
C615	1-129-720-00	FILM	0.033MF	5%	630V
C616	Δ 1-136-311-51	FILM	0.47MF	20%	125V
C618	Δ 1-113-910-91	ELECT	470PF	10%	250V

C619	Δ 1-113-910-91	ELECT	470PF	10%	250V
C651	1-128-548-11	ELECT	4700MF	20%	25V
C652	1-128-548-11	ELECT	4700MF	20%	25V
C653	1-162-318-11	CERAMIC	0.001MF	10%	500V
C655	1-128-548-11	ELECT	4700MF	20%	25V

C657	1-126-926-11	ELECT	1000MF	20%	10V
C658	1-126-768-11	ELECT	2200MF	20%	16V
C659	1-126-944-11	ELECT	3300MF	20%	25V
C660	1-164-644-11	CERAMIC	330PF	10%	500V
C661	1-123-024-21	ELECT	33MF	160V	

C662	1-107-636-11	ELECT	10MF	20%	160V
C663	1-126-948-11	ELECT	100MF	20%	35V
C664	1-126-235-11	ELECT	100MF	20%	6.3V
C665	1-126-964-11	ELECT	10MF	20%	50V
C667	1-126-951-11	ELECT	470MF	20%	35V

C668	1-104-664-11	ELECT	47MF	20%	25V
C669	1-162-318-11	CERAMIC	0.001MF	10%	500V
C670	1-104-664-11	ELECT	47MF	20%	25V
C671	1-104-664-11	ELECT	47MF	20%	25V
C672	1-104-665-11	ELECT	100MF	20%	25V

C673	1-104-664-11	ELECT	47MF	20%	25V
C674	1-104-664-11	ELECT	47MF	20%	25V
C675	1-104-664-11	ELECT	47MF	20%	25V
C676	1-104-664-11	ELECT	47MF	20%	25V
C677	1-125-473-11	ELECT(BLOCK)	1000MF	20%	160V

C678	1-107-635-11	ELECT	4.7MF	20%	160V
C679	1-164-644-11	CERAMIC	330PF	10%	500V

REF. NO.	PART NO.	DESCRIPTION	REMARK
C680	1-124-903-11	ELECT	1MF 20% 50V
C682	1-124-903-11	ELECT	1MF 20% 50V
C683	1-107-635-11	ELECT	4.7MF 20% 160V

<CONNECTOR>

CN606	1-695-915-11	TAB (CONTACT)	
CN609	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN610	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
CN615	1-695-915-11	TAB (CONTACT)	
CN616	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN617	* 1-580-843-11	PIN, CONNECTOR (POWER)	
CN624	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN625	* 1-564-513-11	PLUG, CONNECTOR 10P	
CN626	* 1-564-506-11	PLUG, CONNECTOR 3P	
CN653	* 1-564-507-11	PLUG, CONNECTOR 4P	
CN681	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P	

<DIODE>

D601	A 8-719-052-29	DIODE LN4SB60-F	
D604	8-719-991-33	DIODE ISS133T-77	
D605	8-719-991-33	DIODE ISS133T-77	
D606	8-719-991-33	DIODE ISS133T-77	
D607	8-719-991-33	DIODE ISS133T-77	
D608	8-719-991-33	DIODE ISS133T-77	
D609	8-719-991-33	DIODE ISS133T-77	
D610	8-719-991-33	DIODE ISS133T-77	
D611	8-719-991-33	DIODE ISS133T-77	
D651	8-719-052-91	DIODE D4SBS4-F	
D655	8-719-052-92	DIODE D10SBS4F	
D656	8-719-022-97	DIODE D2S4MF	
D657	8-719-022-97	DIODE D2S4MF	
D658	8-719-022-97	DIODE D2S4MF	
D659	8-719-022-97	DIODE D2S4MF	
D660	8-719-052-86	DIODE D2L40-TA	
D661	8-719-052-86	DIODE D2L40-TA	
D662	8-719-052-31	DIODE D1NL40-TR2	
D663	8-719-052-31	DIODE D1NL40-TR2	
D664	8-719-510-26	DIODE D1NL20-TA	
D665	8-719-991-33	DIODE ISS133T-77	
D666	8-719-110-58	DIODE RD22ESB3	
D667	8-719-921-80	DIODE MTZJ-11B	
D669	8-719-991-33	DIODE ISS133T-77	
D670	8-719-110-41	DIODE RD15ESB2	
D671	8-719-991-33	DIODE ISS133T-77	
D672	8-719-109-54	DIODE RD2.2ESB2	
D673	8-719-110-49	DIODE RD18ESB2	
D674	8-719-991-33	DIODE ISS133T-77	
D675	8-719-109-85	DIODE RD5.1ESB2	
D676	8-719-991-33	DIODE ISS133T-77	
D677	8-719-991-33	DIODE ISS133T-77	
D678	8-719-991-33	DIODE ISS133T-77	
D679	8-719-991-33	DIODE ISS133T-77	
D680	8-719-200-82	DIODE 11ES2	
D681	8-719-200-82	DIODE 11ES2	
D682	8-719-200-82	DIODE 11ES2	
D683	8-719-200-82	DIODE 11ES2	
D685	8-719-991-33	DIODE ISS133T-77	
D686	8-719-991-33	DIODE ISS133T-77	
D687	8-719-109-85	DIODE RD5.1ESB2	
D688	8-719-991-33	DIODE ISS133T-77	
D689	8-719-991-33	DIODE ISS133T-77	
D690	8-719-109-89	DIODE RD5.6ESB2	
D691	8-719-991-33	DIODE ISS133T-77	
D693	8-719-991-33	DIODE ISS133T-77	



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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
<FUSE>								
F601 Δ 1-576-193-11 FUSE 6.3A/125V 1-533-223-11 CLIP, FUSE ; F601								
<FERRITE BEAD>								
FB651 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH FB652 1-410-396-41 FERRITE BEAD INDUCTOR 0.45UH								
<IC>								
IC651 Δ 1-810-051-11 POWER MODULE DM-48 IC652 8-759-279-76 IC MCT7812CT								
<COIL>								
L651 1-403-588-11 CIL, CHOKE 22UH L652 1-403-588-11 CIL, CHOKE 22UH L653 1-412-519-11 INDUCTOR 3.3UH L654 1-403-588-11 CIL, CHOKE 22UH L655 1-403-588-11 CIL, CHOKE 22UH								
L656 1-412-519-11 INDUCTOR 3.3UH L657 1-403-588-11 CIL, CHOKE 22UH L658 1-403-588-11 CIL, CHOKE 22UH								
<TRANSISTOR>								
Q601 8-729-019-49 TRANSISTOR 2SC4834M Q602 8-729-019-49 TRANSISTOR 2SC4834M Q651 8-729-820-82 TRANSISTOR 2SA1208-S Q652 8-729-119-76 TRANSISTOR 2SA1175-HFE Q653 8-729-230-45 TRANSISTOR 2SC2458-YGR								
Q654 8-729-119-76 TRANSISTOR 2SA1175-HFE Q655 8-729-230-45 TRANSISTOR 2SC2458-YGR Q656 8-729-119-76 TRANSISTOR 2SA1175-HFE Q657 8-729-119-78 TRANSISTOR 2SC2785-HFE Q658 8-729-119-76 TRANSISTOR 2SA1175-HFE								
Q659 8-729-119-76 TRANSISTOR 2SA1175-HFE Q660 8-729-119-76 TRANSISTOR 2SA1175-HFE Q661 8-729-119-76 TRANSISTOR 2SA1175-HFE Q662 8-729-119-76 TRANSISTOR 2SA1175-HFE Q663 8-729-119-76 TRANSISTOR 2SA1175-HFE								
<RESISTOR>								
R602 Δ 1-219-236-91 SOLID R603 Δ 1-205-997-11 WIREWOUND R604 Δ 1-247-891-91 CARBON R605 Δ 1-247-891-91 CARBON R606 Δ 1-202-933-61 FUSIBLE	2.2M	20%	1/2W	R607 1-247-891-00 CARBON R608 1-247-891-00 CARBON R609 1-216-369-00 METAL OXIDE R610 1-247-891-00 CARBON R611 1-247-891-00 CARBON	330K	5%	1/4W	
R612 1-216-369-00 METAL OXIDE R613 1-247-791-91 CARBON R614 1-247-791-91 CARBON R615 1-247-791-91 CARBON R616 1-247-791-91 CARBON	1	5%	2W	F	22	5%	1/4W	
R617 1-247-891-00 CARBON R618 1-247-891-00 CARBON R619 1-247-891-00 CARBON R620 1-247-891-00 CARBON R621 1-247-891-00 CARBON	330K	5%	1/4W		22	5%	1/4W	
R622 1-247-891-00 CARBON R623 1-247-891-00 CARBON R624 1-247-891-00 CARBON R625 1-247-891-00 CARBON	1K	5%	1/4W		22	5%	1/4W	
R626 1-247-891-00 CARBON R627 1-247-891-00 CARBON R628 1-247-891-00 CARBON R629 1-247-891-00 CARBON R630 1-247-891-00 CARBON	4.7K	5%	1/4W		4.7K	5%	1/4W	
R631 1-247-863-91 CARBON R632 1-247-807-31 CARBON R633 1-247-807-31 CARBON R634 1-249-417-11 CARBON R635 1-249-425-11 CARBON	22K	5%	1/4W		22K	5%	1/4W	
R636 1-249-413-11 CARBON R637 1-216-370-11 METAL OXIDE R638 1-249-418-11 CARBON R639 1-215-473-00 METAL	470	5%	1/4W	F	C701 1-104-664-11 ELECT C702 1-107-662-11 ELECT C703 1-161-754-00 CERAMIC C704 1-126-768-11 ELECT	47MF	20%	25V
R640 1-249-413-11 CARBON R641 1-216-370-11 METAL OXIDE R642 1-249-418-11 CARBON R643 1-215-473-00 METAL	1.2	5%	2W	F	22MF	20%	250V	
R644 1-249-413-11 CARBON R645 1-216-370-11 METAL OXIDE R646 1-249-418-11 CARBON R647 1-215-473-00 METAL	1.2K	5%	1/4W	F	0.001MF	10%	2KV	
R648 1-249-413-11 CARBON R649 1-216-370-11 METAL OXIDE R650 1-249-418-11 CARBON R651 1-215-473-00 METAL	150K	1%	1/4W		2200MF	20%	16V	
<RELAY>								
RY601 Δ 1-755-032-11 RELAY RY602 Δ 1-755-032-11 RELAY								
<TRANSFORMER>								
T601 Δ 1-427-850-11 TRANSFORMER, LINE FILTER T602 Δ 1-429-728-11 TRANSFORMER, CONVERTER (PIT) T603 Δ 1-423-663-11 TRANSFORMER, POWER T604 Δ 1-427-864-11 TRANSFORMER, CONVERTER (PRT) T605 Δ 1-427-850-11 TRANSFORMER, LINE FILTER								

* A-1331-498-A CR BOARD, COMPLETE *****								
<CAPACITOR>								
C705 1-104-664-11 ELECT C706 1-107-662-11 ELECT C707 1-161-754-00 CERAMIC C708 1-126-768-11 ELECT	47MF	20%	25V		22MF	20%	250V	
C709 1-104-664-11 ELECT C710 1-107-662-11 ELECT C711 1-161-754-00 CERAMIC C712 1-126-768-11 ELECT	0.001MF	10%	2KV		2200MF	20%	16V	

CR

CG

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REF. NO.	PART NO.	DESCRIPTION	REMARK
C705	1-102-050-00	CERAMIC	0.01MF
C706	1-102-953-00	CERAMIC	18PF 5%
C707	1-102-129-00	CERAMIC	0.01MF 10%
C708	1-104-664-11	ELECT	47MF 20%
C709	1-107-651-11	ELECT	4.7MF 20%
C710	1-102-157-00	CERAMIC	560PF 10%
C714	1-162-115-00	CERAMIC	330PF 10%
C715	1-101-005-00	CERAMIC	0.022MF 50V
C716	1-102-050-00	CERAMIC	0.01MF 500V

<CONNECTOR>

CN701 * 1-508-784-00 PIN, CONNECTOR (5mm PITCH) 1P
 CN702 * 1-564-510-11 PLUG, CONNECTOR 7P
 CN703 * 1-564-512-11 PLUG, CONNECTOR 9P
 CN704 * 1-564-512-11 PLUG, CONNECTOR 9P
 CN705 * 1-564-511-11 PLUG, CONNECTOR 8P

CN706 1-695-915-11 TAB (CONTACT)

CN708 A 1-251-179-11 SOCKET, PICTURE TUBE

CN709 * 1-564-506-11 PLUG, CONNECTOR 3P

<DIODE>

D701 8-719-991-33 DIODE 1SS133T-77
 D702 8-719-991-33 DIODE 1SS133T-77
 D703 8-719-991-33 DIODE 1SS133T-77
 D704 8-719-921-86 DIODE MTZJ-13
 D705 8-719-210-21 DIODE 11EQS04

D706 8-719-991-33 DIODE 1SS133T-77
 D707 8-719-921-86 DIODE MTZJ-13
 D708 8-719-901-83 DIODE 1SS83
 D710 8-719-109-89 DIODE RDS5.6ESB2
 D711 8-719-991-33 DIODE 1SS133T-77

D713 8-719-510-48 DIODE D1N20R
 D716 8-719-921-86 DIODE MTZJ-13
 D717 8-719-921-86 DIODE MTZJ-13

<IC>

IC701 8-759-346-42 IC TDA6101Q/N3

<COIL>

L701 1-408-429-00 INDUCTOR 470UH

<NEON LAMP>

NL701 1-519-108-XX LAMP, NEON

<TRANSISTOR>

Q701 8-729-119-76 TRANSISTOR 2SA1175-HFE

<RESISTOR>

R701 1-215-411-00 METAL 390 1% 1/4W
 R702 1-215-414-00 METAL 510 1% 1/4W
 R704 1-202-847-00 SOLID 560K 20% 1/2W
 R706 1-249-407-11 CARBON 150 5% 1/4W
 R707 1-215-423-00 METAL 1.2K 1% 1/4W

R708 1-202-883-11 SOLID 680K 20% 1/2W
 R709 1-215-437-00 METAL 4.7K 1% 1/4W
 R710 1-215-427-00 METAL 1.8K 1% 1/4W
 R711 1-215-427-00 METAL 1.8K 1% 1/4W
 R712 1-215-903-11 METAL OXIDE 68K 5% 2W

REF. NO.	PART NO.	DESCRIPTION	REMARK
R716	1-249-437-11	CARBON	47K 5%
R718	1-249-417-11	CARBON	1K 5%
R719	1-247-807-31	CARBON	100 5%
R720	1-249-437-11	CARBON	47K 5%
R721	1-202-549-00	SOLID	100 20%
R722	1-202-549-00	SOLID	100 20%

<SPARK GAP>

SG701 1-519-422-11 GAP, SPARK
 SG702 1-519-422-11 GAP, SPARK
 SG703 1-519-422-11 GAP, SPARK

 * A-1331-499-A CG BOARD, COMPLETE

<CAPACITOR>

C731	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C732	1-107-662-11	ELECT	22MF	20%	250V
C733	1-102-050-00	CERAMIC	0.01MF		500V
C736	1-126-964-11	ELECT	10MF	20%	50V
C738	1-107-651-11	ELECT	4.7MF	20%	250V
C739	1-102-965-00	CERAMIC	39PF	5%	50V
C740	1-126-964-11	ELECT	10MF	20%	50V
C741	1-102-157-00	CERAMIC	560PF	10%	500V
C742	1-162-115-00	CERAMIC	330PF	10%	2KV
C743	1-101-005-00	CERAMIC	0.022MF		50V
C744	1-102-050-00	CERAMIC	0.01MF		500V

<CONNECTOR>

CN731 * 1-508-784-00 PIN, CONNECTOR (5mm PITCH) 1P
 CN732 * 1-564-512-11 PLUG, CONNECTOR 9P
 CN733 * 1-564-512-11 PLUG, CONNECTOR 9P
 CN734 * 1-564-511-11 PLUG, CONNECTOR 8P
 CN735 * 1-564-509-11 PLUG, CONNECTOR 6P

CN736 1-695-915-11 TAB (CONTACT)

CN738 A 1-251-179-11 SOCKET, PICTURE TUBE

<DIODE>

D731 8-719-921-86 DIODE MTZJ-13
 D732 8-719-901-83 DIODE 1SS83
 D736 8-719-510-48 DIODE D1N20R
 D737 8-719-921-86 DIODE MTZJ-13

<IC>

IC731 8-759-346-42 IC TDA6101Q/N3

<COIL>

L731 1-408-429-00 INDUCTOR 470UH

<NEON LAMP>

NL731 1-519-108-XX LAMP, NEON

<RESISTOR>

R731	1-202-847-00	SOLID	560K	20%	1/2W
R733	1-202-883-11	SOLID	680K	20%	1/2W
R734	1-202-818-00	SOLID	1K	20%	1/2W
R735	1-249-407-11	CARBON	150	5%	1/4W

CG CB E

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REF. NO.	PART NO.	DESCRIPTION	REMARK		
R736	1-249-441-11	CARBON	100K	5%	1/4W
R737	1-202-818-00	SOLID	1K	20%	1/2W
R738	1-202-549-00	SOLID	100	20%	1/2W
R739	1-215-420-00	METAL	910	1%	1/4W
R740	1-215-427-00	METAL	1.8K	1%	1/4W
R741	1-249-437-11	CARBON	47K	5%	1/4W
R742	1-215-903-11	METAL OXIDE	68K	5%	2W F

<SPARK GAP>

SG731	1-519-422-11	GAP, SPARK
SG732	1-519-422-11	GAP, SPARK
SG733	1-519-422-11	GAP, SPARK

REF. NO.	PART NO.	DESCRIPTION	REMARK		
R767	1-202-818-00	SOLID	1K	20%	1/2W
R768	1-202-549-00	SOLID	100	20%	1/2W
R769	1-215-421-00	METAL	1K	1%	1/4W
R770	1-249-426-11	CARBON	5.6K	5%	1/4W
R771	1-215-427-00	METAL	1.8K	1%	1/4W
R773	1-215-903-11	METAL OXIDE	68K	5%	2W F
R774	1-249-407-11	CARBON	150	5%	1/4W
R775	1-202-549-00	SOLID	100	20%	1/2W

<SPARK GAP>

SG761	1-519-422-11	GAP, SPARK
SG762	1-519-422-11	GAP, SPARK
SG763	1-519-422-11	GAP, SPARK

*** A-1331-500-A CB BOARD, COMPLETE**

<CAPACITOR>

C761	1-161-754-00	CERAMIC	0.001MF	10%	2KV
C762	1-107-662-11	ELECT	22MF	20%	250V
C763	1-102-050-00	CERAMIC	0.01MF		500V
C766	1-107-651-11	ELECT	4.7MF	20%	250V
C769	1-102-965-00	CERAMIC	39PF	5%	50V
C770	1-126-964-11	ELECT	10MF	20%	50V
C771	1-102-157-00	CERAMIC	560PF	10%	500V
C772	1-162-115-00	CERAMIC	330PF	10%	2KV
C773	1-101-005-00	CERAMIC	0.022MF		50V
C774	1-102-050-00	CERAMIC	0.01MF		500V

<CONNECTOR>

CN761	* 1-508-784-00	PIN, CONNECTOR (5mm PITCH) 1P
CN762	* 1-564-512-11	PLUG, CONNECTOR 9P
CN763	* 1-564-509-11	PLUG, CONNECTOR 6P
CN766	1-695-915-11	TAB (CONTACT)
CN768	A 1-251-179-11	SOCKET, PICTURE TUBE

<DIODE>

D761	8-719-921-86	DIODE MTZJ-13
D762	8-719-901-83	DIODE 1SS83
D763	8-719-991-33	DIODE 1SS133T-77
D764	8-719-921-86	DIODE MTZJ-13
D765	8-719-921-86	DIODE MTZJ-13
D768	8-719-510-48	DIODE D1N20R
D769	8-719-921-86	DIODE MTZJ-13

<IC>

IC761	8-759-346-42	IC TDA6101Q/N3
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<COIL>

L761	1-408-429-00	INDUCTOR 470UH
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<NEON LAMP>

NL760	1-519-108-99	LAMP, NEON
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<RESISTOR>

R761	1-202-847-00	SOLID
R763	1-202-883-11	SOLID
R764	1-202-818-00	SOLID

E

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
C920	1-124-902-00	ELECT	0.47MF	20%	50V	D818	8-719-404-46	DIODE MA110
C921	1-126-964-11	ELECT	10MF	20%	50V	D819	8-719-105-82	DIODE RD5.1M-B2
C923	1-126-964-11	ELECT	10MF	20%	50V	D901	8-719-404-46	DIODE MA110
C924	1-126-935-11	ELECT	470MF	20%	16V	D902	8-719-404-46	DIODE MA110
C925	1-137-372-11	FILM	0.022MF	5%	50V	D904	8-719-404-46	DIODE MA110
C926	1-104-665-11	ELECT	100MF	20%	25V	D905	8-719-404-46	DIODE MA110
C927	1-137-364-11	FILM	0.001MF	5%	50V	D907	8-719-404-46	DIODE MA110
C929	1-137-416-11	FILM	0.01MF	10%	100V	D908	8-719-105-82	DIODE RD5.1M-B2
C930	1-137-364-11	FILM	0.001MF	5%	50V	D909	8-719-302-43	DIODE EL1Z
C931	1-126-967-11	ELECT	47MF	20%	50V	D911	8-719-105-82	DIODE RD5.1M-B2
C932	1-124-903-11	ELECT	1MF	20%	50V	D912	8-719-105-82	DIODE RD5.1M-B2
C934	1-137-370-11	FILM	0.01MF	5%	50V	D913	8-719-404-46	DIODE MA110
C935	1-137-399-11	FILM	0.1MF	10%	100V	D914	8-719-404-46	DIODE MA110
C936	1-126-964-11	ELECT	10MF	20%	50V	D915	8-719-404-46	DIODE MA110
C937	1-126-964-11	ELECT	10MF	20%	50V	D916	8-719-105-57	DIODE RD3.9M-B1
C938	1-126-935-11	ELECT	470MF	20%	16V	D917	8-719-404-46	DIODE MA110
C939	1-126-964-11	ELECT	10MF	20%	50V	D918	8-719-404-46	DIODE MA110
C940	1-104-664-11	ELECT	47MF	20%	25V	D919	8-719-106-81	DIODE RD13M-B3
C941	1-126-964-11	ELECT	10MF	20%	50V	D920	8-759-157-40	IC uPC574J
C942	1-104-664-11	ELECT	47MF	20%	25V	D921	8-719-106-81	DIODE RD13M-B3
C943	1-126-965-11	ELECT	22MF	20%	50V	D922	8-719-404-46	DIODE MA110
C944	1-126-964-11	ELECT	10MF	20%	50V	D923	8-719-404-46	DIODE MA110
C945	1-126-964-11	ELECT	10MF	20%	50V	D924	8-719-404-46	DIODE MA110
C946	1-124-925-11	ELECT	2.2MF	20%	50V	D925	8-719-028-00	DIODE MA3033-L
C947	1-104-665-11	ELECT	100MF	20%	25V	D926	8-719-404-46	DIODE MA110
C948	1-104-665-11	ELECT	100MF	20%	25V	D927	8-719-401-32	DIODE MA3047M-TX
C949	1-126-964-11	ELECT	10MF	20%	50V			
C950	1-126-964-11	ELECT	10MF	20%	50V			<FERRITE BEAD>
C951	1-109-889-11	ELECT	1MF	20%	50V			
C955	1-126-964-11	ELECT	10MF	20%	50V	FB001	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH
C980	1-137-368-11	FILM	0.0047MF	5%	50V			
<CHIP CONDUCTOR>								
CJ901	1-216-295-91	CONDUCTOR, CHIP				IC901	8-759-133-90	IC uPC339C
CJ902	1-216-295-91	CONDUCTOR, CHIP				IC902	8-759-133-90	IC uPC339C
CJ903	1-216-295-91	CONDUCTOR, CHIP				IC903	8-759-711-28	IC NJM2058D
CJ904	1-216-295-91	CONDUCTOR, CHIP				IC904	8-759-634-51	IC M5218AP
						IC905	8-759-929-65	IC LM7912CT
<CONNECTOR>								
CN802	* 1-564-510-11	PLUG, CONNECTOR 7P						<COIL>
CN805	1-695-915-11	TAB (CONTACT)				L801	1-406-665-11	COIL, CHOKE 100UH
CN827	* 1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P				L802	1-406-665-11	COIL, CHOKE 100UH
CN851	* 1-564-509-11	PLUG, CONNECTOR 6P				L803	1-422-613-11	COIL, AIR CORE
CN881	* 1-573-986-11	PIN, CONNECTOR (PC BOARD) 5P				L804	1-411-286-11	COIL, CHOKE 220UH
CN882	* 1-691-135-11	PIN, CONNECTOR (PC BOARD) 4P				L901	1-408-416-00	INDUCTOR 39UH
CN884	* 1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P				L902	1-408-416-00	INDUCTOR 39UH
CN885	* 1-506-371-00	PIN, CONNECTOR 2P						
CN886	* 1-506-371-00	PIN, CONNECTOR 2P						
CN904	* 1-564-507-11	PLUG, CONNECTOR 4P						
<DIODE>								
D801	8-719-109-85	DIODE RD5.1ESB2				NL802	1-519-108-99	LAMP, NEON
D802	8-719-404-46	DIODE MA110						<TRANSISTOR>
D803	8-719-971-20	DIODE ERC38-06				Q801	8-729-119-80	TRANSISTOR 2SC2688-LK
D804	8-719-908-03	DIODE GP08D				Q802	8-729-119-80	TRANSISTOR 2SC2688-LK
D805	8-719-945-80	DIODE ERC06-15S				Q803	8-729-122-12	TRANSISTOR 2SA1221-L
D806	8-719-991-33	DIODE 1SS133T-77				Q806	8-729-805-07	TRANSISTOR 2SD1887-CA
D807	8-719-945-80	DIODE ERC06-15S				Q807	8-729-422-27	TRANSISTOR 2SD601A-Q
D808	8-719-500-71	DIODE D8LC40				Q808	8-729-024-30	TRANSISTOR IRFI640LF
D809	8-719-991-33	DIODE 1SS133T-77				Q809	8-729-823-81	TRANSISTOR 2SC4632LS-CB7
D810	8-719-945-80	DIODE ERC06-15S				Q810	8-729-231-55	TRANSISTOR 2SC2878-AB
D811	8-719-979-85	DIODE EGP20G-PKG23				Q811	8-729-823-81	TRANSISTOR 2SC4632LS-CB7
D812	8-719-404-46	DIODE MA110				Q813	8-729-216-22	TRANSISTOR 2SA1162-G
D814	8-719-920-67	DIODE ERC91-02						
D816	8-719-404-46	DIODE MA110				Q901	8-729-422-27	TRANSISTOR 2SD601A-Q
D817	8-719-404-46	DIODE MA110				Q902	8-729-140-93	TRANSISTOR 2SB733-34
						Q903	8-729-140-96	TRANSISTOR 2SD774-34

KP-46V35/53V35/61V35
RM-Y137 RM-Y137 RM-Y137

E

The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

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The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q904	8-729-422-27	TRANSISTOR 2SD601A-Q		R906	1-247-739-11	CARBON	100 5% 1/2W F
Q905	8-729-422-27	TRANSISTOR 2SD601A-Q		R907	1-216-091-00	METAL GLAZE 56K	5% 1/10W
Q906	8-729-422-27	TRANSISTOR 2SD601A-Q		R908	1-216-085-00	METAL GLAZE 33K	5% 1/10W
Q907	8-729-231-55	TRANSISTOR 2SC2878-AB		R909	1-216-113-00	METAL GLAZE 470K	5% 1/10W
Q908	8-729-422-27	TRANSISTOR 2SD601A-Q		R910	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
Q909	8-729-422-27	TRANSISTOR 2SD601A-Q		R911	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
Q910	8-729-422-27	TRANSISTOR 2SD601A-Q		R912	1-216-073-00	METAL GLAZE 10K	5% 1/10W
Q911	8-729-422-27	TRANSISTOR 2SD601A-Q		R913	1-216-077-00	METAL GLAZE 15K	5% 1/10W
Q912	8-729-216-22	TRANSISTOR 2SA1162-G		R914	1-216-049-91	METAL GLAZE 1K	5% 1/10W
Q913	8-729-029-86	TRANSISTOR DTC124ESA		R915	1-216-091-00	METAL GLAZE 56K	5% 1/10W
Q914	8-729-422-27	TRANSISTOR 2SD601A-Q		R916	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
Q915	8-729-422-27	TRANSISTOR 2SD601A-Q		R917	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
<RESISTOR>							
R800	1-216-637-11	METAL CHIP	270 0.50% 1/10W	R918	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R801	1-216-033-00	METAL GLAZE	220 5% 1/10W	R919	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R802	1-249-421-11	CARBON	2.2K 5% 1/4W	R920	1-216-113-00	METAL GLAZE 470K	5% 1/10W
R804	1-249-425-11	CARBON	4.7K 5% 1/4W F	R921	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R805	1-216-435-11	METAL OXIDE	2.7K 5% 1W F	R922	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R806	1-249-431-11	CARBON	15K 5% 1/4W F	R923	1-216-077-00	METAL GLAZE 15K	5% 1/10W
R807	1-260-325-11	CARBON	560 5% 1/2W	R924	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R808	█ A	CARBON		R926	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R809	█ A	CARBON		R927	1-249-377-11	CARBON	0.47 5% 1/4W F
R810	1-249-427-11	CARBON	6.8K 5% 1/4W F	R928	1-216-067-00	METAL GLAZE 5.6K	5% 1/10W
R811	1-216-097-91	METAL GLAZE	100K 5% 1/10W	R929	1-216-041-00	METAL GLAZE 470	5% 1/10W
R812	1-216-395-00	METAL OXIDE	3.3 5% 3W F	R930	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R813	1-216-484-00	METAL OXIDE	3.9K 5% 3W F	R931	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R814	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	R932	1-216-059-00	METAL GLAZE 2.7K	5% 1/10W
R816	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R933	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R817	1-216-395-00	METAL OXIDE	3.3 5% 3W F	R934	1-216-085-00	METAL GLAZE 33K	5% 1/10W
R818	1-249-405-11	CARBON	100 5% 1/4W F	R935	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R819	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R936	1-216-065-00	METAL GLAZE 4.7K	5% 1/10W
R820	1-215-905-11	METAL OXIDE	10 5% 3W F	R937	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R821	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R938	1-208-810-11	METAL CHIP	15K 0.50% 1/10W
R822	1-215-928-11	METAL OXIDE	68K 5% 3W F	R939	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R823	1-216-041-00	METAL GLAZE	470 5% 1/10W	R940	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R825	1-215-928-11	METAL OXIDE	68K 5% 3W F	R941	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R826	1-216-033-00	METAL GLAZE	220 5% 1/10W	R942	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R830	1-215-928-11	METAL OXIDE	68K 5% 3W F	R943	1-249-377-11	CARBON	0.47 5% 1/4W F
R831	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	R944	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R832	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R945	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R836	1-202-818-00	SOLID	1K 20% 1/2W	R946	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R837	1-215-870-11	METAL OXIDE	1.5K 5% 1W F	R947	1-216-025-91	METAL GLAZE	100 5% 1/10W
R838	1-247-807-31	CARBON	100 5% 1/4W	R948	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R839	1-249-429-11	CARBON	10K 5% 1/4W F	R950	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R841	1-216-491-11	METAL OXIDE	56K 5% 3W F	R952	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R843	1-202-549-00	SOLID	100 20% 1/2W	R954	1-214-777-00	METAL	100K 1% 1/4W
R844	1-216-491-11	METAL OXIDE	56K 5% 3W F	R955	1-214-769-00	METAL	47K 1% 1/4W
R846	1-202-838-00	SOLID	100K 20% 1/2W	R956	1-208-806-11	METAL CHIP	10K 0.50% 1/10W
R847	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R957	1-218-754-11	METAL CHIP	120K 0.50% 1/10W
R849	1-247-863-91	CARBON	22K 5% 1/4W	R958	1-218-756-11	METAL CHIP	150K 0.50% 1/10W
R850	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R959	1-214-757-00	METAL	15K 1% 1/4W
R851	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R960	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R852	1-208-806-11	METAL CHIP	10K 0.50% 1/10W	R962	1-208-806-11	METAL CHIP	10K 0.50% 1/10W
R854	1-249-447-11	CARBON	1 5% 1/4W F	R963	1-214-749-00	METAL	6.8K 1% 1/4W
R855	1-208-822-11	METAL CHIP	47K 0.50% 1/10W	R964	1-214-757-00	METAL	15K 1% 1/4W
R856	1-208-822-11	METAL CHIP	47K 0.50% 1/10W	R965	1-216-097-91	METAL GLAZE	100K 5% 1/10W
R857	1-216-699-11	METAL CHIP	100K 0.50% 1/10W	R966	1-214-757-00	METAL	15K 1% 1/4W
R858	1-208-810-11	METAL CHIP	15K 0.50% 1/10W	R967	1-216-025-91	METAL GLAZE	100 5% 1/10W
R865	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R968	1-214-751-00	METAL	8.2K 1% 1/4W
R866	1-532-781-11	FUSE, MICRO (SECONDARY)	3.15A/125V	R969	1-214-731-00	METAL	1.2K 1% 1/4W
R883	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R970	1-214-757-00	METAL	15K 1% 1/4W
R888	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R971	1-216-121-91	METAL GLAZE	1M 5% 1/10W
R901	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R972	1-216-699-11	METAL CHIP	100K 0.50% 1/10W
R902	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R973	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R903	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R974	1-216-699-11	METAL CHIP	100K 0.50% 1/10W
R904	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R975	1-216-043-91	METAL GLAZE	560 5% 1/10W
R905	1-247-739-11	CARBON	100 5% 1/2W F	R976	1-216-041-00	METAL GLAZE	470 5% 1/10W
				R977	1-216-075-00	METAL GLAZE	12K 5% 1/10W
				R978	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

* The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK		
R979	1-216-075-00	METAL GLAZE 12K	5%	1/10W	C1613	1-126-968-11	ELECT	100MF 20% 50V	
R980	1-216-081-00	METAL GLAZE 22K	5%	1/10W	C1615	1-104-665-11	ELECT	100MF 20% 25V	
R981	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C1617	1-126-941-11	ELECT	470MF 20% 25V	
R982	1-216-671-11	METAL CHIP 6.8K	0.50%	1/10W	C1619	1-104-665-11	ELECT	100MF 20% 25V	
R983		METAL GLAZE		1/4W	C1620	1-126-941-11	ELECT	470MF 20% 25V	
R984	1-216-083-00	METAL GLAZE 27K	5%	1/10W	C1622	1-104-665-11	ELECT	100MF 20% 25V	
R985	1-208-812-11	METAL CHIP 18K	0.50%	1/10W	C1701	1-126-935-11	ELECT	470MF 20% 16V	
R986	1-216-049-91	METAL GLAZE 1K	5%	1/10W	C1702	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V	
R987	1-216-059-00	METAL GLAZE 2.7K	5%	1/10W	C1703	1-163-099-00	CERAMIC CHIP	18PF 5% 50V	
R988		METAL GLAZE		1/4W	C1704	1-163-125-00	CERAMIC CHIP	220PF 5% 50V	
R989	1-216-462-00	METAL OXIDE 8.2K	5%	2W F	C1705	1-163-099-00	CERAMIC CHIP	18PF 5% 50V	
R990	1-215-897-11	METAL OXIDE 6.8K	5%	2W F	C1709	1-163-031-11	CERAMIC CHIP	0.01MF 50V	
R991	1-208-801-11	METAL CHIP 6.2K	0.50%	1/10W	C1723	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	
R992	1-249-431-11	CARBON 15K	5%	1/4W	C1724	1-163-251-11	CERAMIC CHIP	100PF 5% 50V	
R993	1-249-431-11	CARBON 15K	5%	1/4W	C1801	1-124-903-11	ELECT	1MF 20% 50V	
R994	1-247-807-31	CARBON 100	5%	1/4W	C1802	1-126-964-11	ELECT	10MF 20% 50V	
R995	1-216-677-11	METAL CHIP 12K	0.50%	1/10W	C1803	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V	
R996	1-208-814-11	METAL CHIP 22K	0.50%	1/10W	C1805	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V	
R997	1-216-065-00	METAL GLAZE 4.7K	5%	1/10W	C1806	1-163-127-00	CERAMIC CHIP	270PF 5% 50V	
R998	1-216-073-00	METAL GLAZE 10K	5%	1/10W	C1807	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V	
R999	1-216-051-00	METAL GLAZE 1.2K	5%	1/10W	C1808	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V	
				C1809	1-104-661-91	ELECT	330MF 20% 16V		
				C1810	1-104-661-91	ELECT	330MF 20% 16V		
				C1811	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V		
				C1812	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V		
<SPARK GAP>									
SG801	1-519-422-11	GAP, SPARK		C1813	1-163-275-11	CERAMIC CHIP	0.001MF 5% 50V		
				C1814	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V		
				C1816	1-163-251-11	CERAMIC CHIP	100PF 5% 50V		
				C1817	1-163-251-11	CERAMIC CHIP	100PF 5% 50V		
				C1818	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V		
<TRANSFORMER>									
T801	1-433-189-11	TRANSFORMER ASSY, FLYBACK	(NX-2631/A4S)	C1819	1-126-933-11	ELECT	100MF 20% 16V		
T802	1-437-209-11	TRANSFORMER, HORIZONTAL DRIVE		C1820	1-163-005-11	CERAMIC CHIP	470PF 10% 50V		
T803	1-427-980-11	TRANSFORMER, FERRITE (LOT)		C1821	1-124-902-00	ELECT	0.47MF 20% 50V		
				C1822	1-163-005-11	CERAMIC CHIP	470PF 10% 50V		
				C1823	1-124-903-11	ELECT	1MF 20% 50V		

* A-1346-296-A D BOARD, COMPLETE									

4-382-854-11 SCREW (M3X10), P, SW (+)									
7-682-652-09 SCREW +PSW 3X16									
<CAPACITOR>									
C1502	1-126-943-11	ELECT	2200MF	20%	25V	C1824	1-124-903-11	ELECT	1MF 20% 50V
C1503	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C1825	1-126-967-11	ELECT	47MF 20% 50V
C1504	1-126-943-11	ELECT	2200MF	20%	25V	C1826	1-126-967-11	ELECT	47MF 20% 50V
C1505	1-136-177-00	FILM	1MF	5%	50V	C1827	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1506	1-102-228-00	CERAMIC	470PF	10%	500V	C1828	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1507	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C1829	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1508	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1830	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1509	1-126-968-11	ELECT	100MF	20%	50V	C1831	1-104-661-91	ELECT	330MF 20% 16V
C1510	1-137-401-11	FILM	0.22MF	10%	100V	C1832	1-104-661-91	ELECT	330MF 20% 16V
C1511	1-137-423-11	FILM	0.15MF	10%	100V	C1833	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1512	1-137-423-11	FILM	0.15MF	10%	100V	C1834	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1513	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C1835	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1514	1-163-031-11	CERAMIC CHIP	0.01MF		50V	C1836	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1515	1-163-031-11	CERAMIC CHIP	0.01MF		50V	C1837	1-164-489-11	CERAMIC CHIP	0.22MF 10% 16V
C1516	1-136-177-00	FILM	1MF	5%	50V	C1838	1-126-968-11	ELECT	100MF 20% 50V
C1517	1-163-125-00	CERAMIC CHIP	220PF	5%	50V	C1839	1-126-968-11	ELECT	100MF 20% 50V
C1551	1-126-964-11	ELECT	10MF	20%	50V	C1840	1-124-903-11	ELECT	1MF 20% 50V
C1603	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1841	1-126-967-11	ELECT	47MF 20% 50V
C1604	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1842	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C1605	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1843	1-163-251-11	CERAMIC CHIP	100PF 5% 50V
C1606	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1844	1-126-967-11	ELECT	47MF 20% 50V
C1607	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1845	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1608	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	C1846	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1611	1-126-968-11	ELECT	100MF	20%	50V	C1847	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
C1612	1-104-665-11	ELECT	100MF	20%	25V	C1848	1-163-809-11	CERAMIC CHIP	0.047MF 10% 25V
				C1849	1-126-968-11	ELECT	100MF 20% 50V		
				C1850	1-126-968-11	ELECT	100MF 20% 50V		
				C1851	1-137-399-11	FILM	0.1MF 5% 50V		
				C1852	1-126-968-11	ELECT	100MF 20% 50V		
				C1853	1-137-378-11	FILM	0.22MF 5% 50V		
				C1854	1-126-963-11	ELECT	4.7MF 20% 50V		
				C1855	1-124-903-11	ELECT	1MF 20% 50V		
				C1856	1-104-665-11	ELECT	100MF 20% 25V		
				C1857	1-126-968-11	ELECT	100MF 20% 50V		

D

Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **Δ** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK
C1858	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1859	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1860	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C1861	1-126-968-11	ELECT 100MF	20% 50V
C1862	1-124-903-11	ELECT 1MF	20% 50V
C1863	1-136-173-00	FILM 0.47MF	5% 50V
C1864	1-124-903-11	ELECT 1MF	20% 50V
C1865	1-124-903-11	ELECT 1MF	20% 50V
C1866	1-126-967-11	ELECT 47MF	20% 50V

<CHIP CONDUCTOR>

CJ1	1-216-295-91	CONDUCTOR, CHIP
CJ2	1-216-295-91	CONDUCTOR, CHIP
CJ3	1-216-295-91	CONDUCTOR, CHIP
CJ4	1-216-295-91	CONDUCTOR, CHIP
CJ5	1-216-295-91	CONDUCTOR, CHIP
CJ6	1-216-295-91	CONDUCTOR, CHIP
CJ7	1-216-295-91	CONDUCTOR, CHIP
CJ8	1-216-295-91	CONDUCTOR, CHIP
CJ9	1-216-295-91	CONDUCTOR, CHIP
CJ10	1-216-295-91	CONDUCTOR, CHIP
CJ11	1-216-295-91	CONDUCTOR, CHIP
CJ12	1-216-295-91	CONDUCTOR, CHIP
CJ13	1-216-295-91	CONDUCTOR, CHIP
CJ14	1-216-295-91	CONDUCTOR, CHIP
CJ15	1-216-295-91	CONDUCTOR, CHIP
CJ16	1-216-295-91	CONDUCTOR, CHIP
CJ17	1-216-295-91	CONDUCTOR, CHIP
CJ18	1-216-295-91	CONDUCTOR, CHIP
CJ19	1-216-295-91	CONDUCTOR, CHIP
CJ20	1-216-295-91	CONDUCTOR, CHIP
CJ21	1-216-295-91	CONDUCTOR, CHIP
CJ22	1-216-295-91	CONDUCTOR, CHIP
CJ23	1-216-295-91	CONDUCTOR, CHIP
CJ24	1-216-295-91	CONDUCTOR, CHIP
CJ25	1-216-295-91	CONDUCTOR, CHIP
CJ26	1-216-295-91	CONDUCTOR, CHIP
CJ27	1-216-295-91	CONDUCTOR, CHIP
CJ28	1-216-295-91	CONDUCTOR, CHIP
CJ29	1-216-295-91	CONDUCTOR, CHIP
CJ30	1-216-295-91	CONDUCTOR, CHIP
CJ31	1-216-295-91	CONDUCTOR, CHIP
CJ32	1-216-295-91	CONDUCTOR, CHIP
CJ33	1-216-295-91	CONDUCTOR, CHIP
CJ34	1-216-295-91	CONDUCTOR, CHIP
CJ35	1-216-295-91	CONDUCTOR, CHIP
CJ36	1-216-295-91	CONDUCTOR, CHIP
CJ37	1-216-295-91	CONDUCTOR, CHIP
CJ38	1-216-295-91	CONDUCTOR, CHIP
CJ39	1-216-295-91	CONDUCTOR, CHIP
CJ40	1-216-295-91	CONDUCTOR, CHIP
CJ42	1-216-295-91	CONDUCTOR, CHIP
CJ43	1-216-295-91	CONDUCTOR, CHIP
CJ44	1-216-295-91	CONDUCTOR, CHIP
CJ45	1-216-295-91	CONDUCTOR, CHIP
CJ46	1-216-295-91	CONDUCTOR, CHIP
CJ47	1-216-295-91	CONDUCTOR, CHIP
CJ48	1-216-295-91	CONDUCTOR, CHIP
CJ49	1-216-295-91	CONDUCTOR, CHIP
CJ50	1-216-295-91	CONDUCTOR, CHIP
CJ51	1-216-295-91	CONDUCTOR, CHIP
CJ52	1-216-295-91	CONDUCTOR, CHIP
CJ53	1-216-295-91	CONDUCTOR, CHIP
CJ54	1-216-295-91	CONDUCTOR, CHIP
CJ55	1-216-295-91	CONDUCTOR, CHIP
CJ56	1-216-295-91	CONDUCTOR, CHIP
CJ57	1-216-295-91	CONDUCTOR, CHIP
CJ58	1-216-295-91	CONDUCTOR, CHIP

REF. NO.	PART NO.	DESCRIPTION
CJ59	1-216-295-91	CONDUCTOR, CHIP
CJ60	1-216-295-91	CONDUCTOR, CHIP
CJ62	1-216-295-91	CONDUCTOR, CHIP
CJ63	1-216-295-91	CONDUCTOR, CHIP

REMARK

CN1509	* 1-564-506-11	PLUG, CONNECTOR 3P
CN1513	* 1-564-506-11	PLUG, CONNECTOR 3P
CN1612	* 1-564-507-11	PLUG, CONNECTOR 4P
CN1642	* 1-564-507-11	PLUG, CONNECTOR 4P
CN1672	* 1-564-507-11	PLUG, CONNECTOR 4P

<CONNECTOR>

CN1716	* 1-564-507-11	PLUG, CONNECTOR 4P
CN1756	* 1-564-508-11	PLUG, CONNECTOR 5P
CN1757	* 1-564-516-11	PLUG, CONNECTOR 13P

<DIODE>

D1501	8-719-908-03	DIODE GP08D
D1502	8-719-109-89	DIODE RD5.6ESB2
D1503	8-719-971-20	DIODE ERC38-06
D1505	8-719-109-89	DIODE RD5.6ESB2
D1551	8-719-983-14	DIODE MTZJ-T-77-3.9
D1552	8-719-991-33	DIODE 1SS133T-77
D1601	8-719-908-03	DIODE GP08D
D1602	8-719-908-03	DIODE GP08D
D1603	8-719-908-03	DIODE GP08D
D1604	8-719-908-03	DIODE GP08D

D1803	8-719-991-33	DIODE 1SS133T-77
D1812	8-719-991-33	DIODE 1SS133T-77
D1814	8-719-991-33	DIODE 1SS133T-77
D1825	8-719-991-33	DIODE 1SS133T-77
D1826	8-719-991-33	DIODE 1SS133T-77
D1827	8-719-982-03	DIODE MTZJ-3.6A
D1931	8-719-924-16	DIODE MTZJ-T-77-24
D1932	8-719-924-16	DIODE MTZJ-T-77-24
D1934	8-719-924-16	DIODE MTZJ-T-77-24
D1935	8-719-924-16	DIODE MTZJ-T-77-24

D1936	8-719-924-16	DIODE MTZJ-T-77-24
D1937	8-719-924-16	DIODE MTZJ-T-77-24
D1942	8-719-924-16	DIODE MTZJ-T-77-24
D1945	8-719-924-16	DIODE MTZJ-T-77-24
D1946	8-719-924-16	DIODE MTZJ-T-77-24
D1947	8-719-924-16	DIODE MTZJ-T-77-24
D1948	8-719-921-86	DIODE MTZJ-13
D1949	8-719-924-16	DIODE MTZJ-T-77-24
D1951	8-719-921-86	DIODE MTZJ-13
D1953	8-719-921-86	DIODE MTZJ-13

D1954	8-719-921-86	DIODE MTZJ-13
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<FUSE>

F1601	Δ 1-532-745-11	FUSE, GLASS TUBE 1.1SA/125V
F1602	Δ 1-532-745-11	FUSE, GLASS TUBE 1.1SA/125V

1-533-223-11 CLIP, FUSE ; F1601

1-533-223-11 CLIP, FUSE ; F1602

<IC>

IC1501	8-759-192-71	IC STV9379
IC1601	8-749-010-88	IC STK392-010
IC1602	8-749-010-88	IC STK392-010
IC1701	8-752-861-57	IC CXP85112B-613S
IC1702	8-759-041-54	IC MN1382S
IC1801	8-759-327-52	IC PM0002B
IC1802	8-759-327-51	IC PA0053B
IC1803	8-759-012-67	IC MC7905CT
IC1804	8-759-231-53	IC TA7805S
IC1805	8-759-327-52	IC PM0002B

The components identified by shading and mark Δ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

D

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK	
IC1806	8-759-327-51	IC PA0053B		R1613	1-214-673-00	METAL	4.7 1% 1/4W	
IC1807	8-759-929-65	IC LM7912CT		R1615	1-214-673-00	METAL	4.7 1% 1/4W	
IC1808	8-759-279-76	IC MCT7812CT		R1616	1-214-673-00	METAL	4.7 1% 1/4W	
IC1809	8-759-327-52	IC PM0002B		R1618	1-214-673-00	METAL	4.7 1% 1/4W	
IC1931	8-759-711-28	IC NJM2058D		R1619	1-214-673-00	METAL	4.7 1% 1/4W	
IC1932	8-759-711-28	IC NJM2058D		R1620	1-214-673-00	METAL	4.7 1% 1/4W	
		<COIL>		R1621	1-214-673-00	METAL	4.7 1% 1/4W	
L1501	1-412-533-21	INDUCTOR 47UH		R1622	1-214-673-00	METAL	4.7 1% 1/4W	
L1502	1-412-533-21	INDUCTOR 47UH		R1623	1-214-729-00	METAL	1K 1% 1/4W	
L1503	1-412-524-11	INDUCTOR 8.2UH		R1624	1-214-729-00	METAL	1K 1% 1/4W	
L1515	1-410-470-11	INDUCTOR 10UH		R1625	1-214-673-00	METAL	4.7 1% 1/4W	
L1516	1-410-482-31	INDUCTOR 100UH		R1626	1-214-673-00	METAL	4.7 1% 1/4W	
L1701	1-410-470-11	INDUCTOR 10UH		R1627	1-214-673-00	METAL	4.7 1% 1/4W	
L1801	1-406-975-21	COIL, CHOKE 47UH		R1628	1-214-673-00	METAL	4.7 1% 1/4W	
L1802	1-406-975-21	COIL, CHOKE 47UH		R1629	1-214-673-00	METAL	4.7 1% 1/4W	
		<TRANSISTOR>		R1630	1-214-673-00	METAL	4.7 1% 1/4W	
Q1501	8-729-422-27	TRANSISTOR 2SD601A-Q		R1631	1-214-729-00	METAL	1K 1% 1/4W	
Q1502	8-729-422-27	TRANSISTOR 2SD601A-Q		R1632	1-214-673-00	METAL	4.7 1% 1/4W	
Q1551	8-729-216-22	TRANSISTOR 2SA1162-G		R1633	1-214-673-00	METAL	4.7 1% 1/4W	
Q1552	8-729-422-27	TRANSISTOR 2SD601A-Q		R1634	1-214-729-00	METAL	1K 1% 1/4W	
Q1701	8-729-422-27	TRANSISTOR 2SD601A-Q		R1635	1-214-673-00	METAL	4.7 1% 1/4W	
Q1801	8-729-422-27	TRANSISTOR 2SD601A-Q		R1636	1-214-673-00	METAL	4.7 1% 1/4W	
Q1802	8-729-216-22	TRANSISTOR 2SA1162-G		R1637	1-214-673-00	METAL	4.7 1% 1/4W	
Q1803	8-729-029-86	TRANSISTOR DTC124ESA		R1638	1-214-673-00	METAL	4.7 1% 1/4W	
Q1804	8-729-422-27	TRANSISTOR 2SD601A-Q		R1639	1-214-673-00	METAL	4.7 1% 1/4W	
Q1805	8-729-029-86	TRANSISTOR DTC124ESA		R1640	1-214-673-00	METAL	4.7 1% 1/4W	
		<RESISTOR>		R1641	1-214-673-00	METAL	4.7 1% 1/4W	
R1501	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R1642	1-214-673-00	METAL	4.7 1% 1/4W
R1502	1-208-814-11	METAL CHIP 22K	0.50%	1/10W	R1717	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1504	1-216-081-00	METAL GLAZE 22K	5%	1/10W	R1721	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1505	1-216-085-00	METAL GLAZE 33K	5%	1/10W	R1737	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1506	1-216-049-91	METAL GLAZE 1K	5%	1/10W	R1740	1-216-025-91	METAL GLAZE 100	5% 1/10W
R1507	1-208-814-11	METAL CHIP 22K	0.50%	1/10W	R1748	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1508	1-216-057-00	METAL GLAZE 2.2K	5%	1/10W	R1749	1-216-295-91	CONDUCTOR, CHIP	
R1509	1-249-385-91	CARBON	1.5	5%	R1751	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1510	1-214-671-11	METAL	3.9	1%	R1752	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1511	1-214-671-11	METAL	3.9	1%	R1753	1-216-295-91	CONDUCTOR, CHIP	
R1512	1-215-912-11	METAL OXIDE	150	5%	R1760	1-216-295-91	CONDUCTOR, CHIP	
R1513	1-214-671-11	METAL	3.9	1%	R1788	1-208-806-11	METAL CHIP 10K	0.50% 1/10W
R1514	1-216-632-11	METAL CHIP	160	0.50%	R1791	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R1515	1-216-639-11	METAL CHIP	330	0.50%	R1801	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R1516	1-214-671-11	METAL	3.9	1%	R1802	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R1517	1-216-647-11	METAL CHIP	680	0.50%	R1803	1-216-073-00	METAL GLAZE 10K	5% 1/10W
R1518	1-216-665-11	METAL CHIP	3.9K	0.50%	R1804	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1519	1-249-385-91	CARBON	2.2	5%	R1805	1-216-069-00	METAL GLAZE 6.8K	5% 1/10W
R1520	1-249-385-91	CARBON	2.2	5%	R1806	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1521	1-216-049-91	METAL GLAZE	1K	5%	R1807	1-216-075-00	METAL GLAZE 12K	5% 1/10W
R1522	1-216-049-91	METAL GLAZE	1K	5%	R1808	1-216-049-91	METAL GLAZE 1K	5% 1/10W
R1523	1-216-033-00	METAL GLAZE	220	5%	R1809	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1551	1-216-081-00	METAL GLAZE	22K	5%	R1810	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R1552	1-216-063-91	METAL GLAZE	3.9K	5%	R1811	1-216-081-00	METAL GLAZE 22K	5% 1/10W
R1553	1-216-077-00	METAL GLAZE	15K	5%	R1812	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R1554	1-216-049-91	METAL GLAZE	1K	5%	R1813	1-216-057-00	METAL GLAZE 2.2K	5% 1/10W
R1555	1-216-073-00	METAL GLAZE	10K	5%	R1814	1-216-699-11	METAL CHIP 100K	0.50% 1/10W
R1562	1-216-025-91	METAL GLAZE	100	5%	R1815	1-216-697-91	METAL CHIP 82K	0.50% 1/10W
R1603	1-216-663-11	METAL CHIP	3.3K	0.50%	R1816	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R1604	1-216-663-11	METAL CHIP	3.3K	0.50%	R1817	1-216-033-00	METAL GLAZE 220	5% 1/10W
R1605	1-216-663-11	METAL CHIP	3.3K	0.50%	R1818	1-216-025-91	METAL GLAZE 100	5% 1/10W
R1606	1-216-663-11	METAL CHIP	3.3K	0.50%	R1819	1-216-025-91	METAL GLAZE 100	5% 1/10W
R1607	1-216-663-11	METAL CHIP	3.3K	0.50%	R1820	1-216-025-91	METAL GLAZE 100	5% 1/10W
R1608	1-216-663-11	METAL CHIP	3.3K	0.50%	R1821	1-216-097-91	METAL GLAZE 100K	5% 1/10W
R1610	1-214-729-00	METAL	1K	1%	R1823	1-208-811-11	METAL CHIP 16K	0.50% 1/10W
R1612	1-214-729-00	METAL	1K	1%	R1824	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1613	1-214-729-00	METAL	1K	1%	R1825	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1614	1-214-729-00	METAL	1K	1%	R1826	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1615	1-214-729-00	METAL	1K	1%	R1827	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1616	1-214-729-00	METAL	1K	1%	R1828	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1617	1-214-729-00	METAL	1K	1%	R1829	1-216-685-11	METAL CHIP 27K	0.50% 1/10W
R1618	1-214-729-00	METAL	1K	1%	R1830	1-216-025-91	METAL GLAZE 100	5% 1/10W
R1619	1-214-729-00	METAL	1K	1%	R1831	1-216-049-91	METAL GLAZE 1K	5% 1/10W

HB **HA** **U**

REF. NO.	PART NO.	DESCRIPTION	REMARK

* A-1372-111-A HB BOARD, COMPLETE (KP-46V35/53V35) *****			

<CAPACITOR>					
C1351	1-124-261-00	ELECT	10MF	20%	50V

<CONNECTOR>					
CN1389 * 1-564-518-11 PLUG, CONNECTOR 3P					

<IC>					
IC1351 8-747-905-11 RAY CATCHER ELEMENT SBX1790-51					

<RESISTOR>					
R1352	1-247-807-31	CARBON	100	5%	1/4W

* A-1372-099-A HA BOARD, COMPLETE (KP-61V35) *****					
* A-1372-112-A HA BOARD, COMPLETE (KP-46V35/53V35) *****					

<CAPACITOR>					
C1301	1-126-964-11	ELECT	10MF	20%	50V
C1304	1-126-964-11	ELECT	10MF	20%	50V (KP-61V35)

<CONNECTOR>					
CN1346	1-564-524-11	PLUG, CONNECTOR 9P			
CN1347	* 1-564-521-11	PLUG, CONNECTOR 6P			
CN1349	* 1-564-518-11	PLUG, CONNECTOR 3P (KP-46V35/53V35)			

<DIODE>					
D1304	8-719-053-43	DIODE SLR-325VCT31			
D1305	8-719-053-43	DIODE SLR-325VCT31			

<IC>					
IC1301	8-741-780-51	IC SBX1780-51 (KP-61V35)			

<JACK>					
J1301	1-750-517-11	JACK BLOCK, PIN 3P			

<RESISTOR>					
R1302	1-249-416-11	CARBON	820	5%	1/4W
R1303	1-249-417-11	CARBON	1K	5%	1/4W
R1304	1-249-425-11	CARBON	4.7K	5%	1/4W
R1305	1-249-411-11	CARBON	330	5%	1/4W
R1306	1-249-411-11	CARBON	330	5%	1/4W
R1307	1-249-420-11	CARBON	1.8K	5%	1/4W
R1308	1-247-895-91	CARBON	470K	5%	1/4W
R1309	1-247-895-91	CARBON	470K	5%	1/4W
R1310	1-249-429-11	CARBON	10K	5%	1/4W
R1311	1-247-815-91	CARBON	220	5%	1/4W

REF. NO.	PART NO.	DESCRIPTION	REMARK

R1312	1-247-804-11	CARBON	75
R1314	1-247-807-31	CARBON	100

<SWITCH>					
S1301	1-571-731-11	SWITCH, TACTIL			
S1302	1-571-731-11	SWITCH, TACTIL			
S1303	1-571-731-11	SWITCH, TACTIL			
S1304	1-571-731-11	SWITCH, TACTIL			
S1305	1-571-731-11	SWITCH, TACTIL			
S1306	1-571-731-11	SWITCH, TACTIL			
S1307	1-571-731-11	SWITCH, TACTIL			

* A-1373-559-A U BOARD, COMPLETE *****					

<CAPACITOR>					
C1101	1-126-965-11	ELECT	22MF	20%	50V
C1102	1-124-903-11	ELECT	1MF	20%	50V
C1103	1-124-903-11	ELECT	1MF	20%	50V
C1104	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C1105	1-126-965-11	ELECT	22MF	20%	50V
C1106	1-126-965-11	ELECT	22MF	20%	50V
C1107	1-124-903-11	ELECT	1MF	20%	50V
C1108	1-124-903-11	ELECT	1MF	20%	50V
C1109	1-126-965-11	ELECT	22MF	20%	50V
C1110	1-124-903-11	ELECT	1MF	20%	50V
C1111	1-124-903-11	ELECT	1MF	20%	50V
C1121	1-126-935-11	ELECT	470MF	20%	16V
C1122	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1123	1-124-903-11	ELECT	1MF	20%	50V
C1124	1-126-965-11	ELECT	22MF	20%	50V
C1125	1-124-903-11	ELECT	1MF	20%	50V
C1126	1-104-665-11	ELECT	100MF	20%	25V
C1127	1-104-663-11	ELECT	33MF	20%	25V
C1128	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1129	1-126-965-11	ELECT	22MF	20%	50V
C1130	1-109-889-11	ELECT	1MF	20%	50V
C1131	1-109-889-11	ELECT	1MF	20%	50V
C1132	1-124-902-00	ELECT	0.47MF	20%	50V
C1136	1-126-965-11	ELECT	22MF	20%	50V
C1137	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1138	1-124-902-00	ELECT	0.47MF	20%	50V
C1139	1-126-964-11	ELECT	10MF	20%	50V
C1145	1-128-499-11	ELECT	220MF	20%	16V
C1146	1-124-902-00	ELECT	0.47MF	20%	50V
C1147	1-124-902-00	ELECT	0.47MF	20%	50V
C1148	1-124-902-00	ELECT	0.47MF	20%	50V
C1149	1-124-902-00	ELECT	0.47MF	20%	50V
C1150	1-128-499-11	ELECT	220MF	20%	16V
C1151	1-128-499-11	ELECT	220MF	20%	16V
C1152	1-128-499-11	ELECT	220MF	20%	16V
C1153	1-104-665-11	ELECT	100MF	20%	25V
<CHIP CONDUCTOR>					
CJ1102	1-216-295-91	CONDUCTOR, CHIP			
<CONNECTOR>					
CN1147	* 1-564-509-11	PLUG, CONNECTOR 6P			
CN1150	1-573-300-21	CONNECTOR, BOARD TO BOARD 18P			
CN1155	* 1-565-928-11	CONNECTOR (TUB) 30P			

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REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK				
R1174	1-216-041-00	METAL GLAZE	470	5%	1/10W	C1271	1-126-964-11	ELECT	10MF	20%	50V
R1175	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1272	1-126-964-11	ELECT	10MF	20%	50V
R1176	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1273	1-126-933-11	ELECT	100MF	20%	16V
R1178	1-216-041-00	METAL GLAZE	470	5%	1/10W	C1274	1-102-121-00	CERAMIC	0.0022MF	10%	50V
R1179	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1275	1-126-967-11	ELECT	47MF	20%	16V
R1180	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1276	1-126-967-11	ELECT	47MF	20%	16V
R1181	1-216-097-91	METAL GLAZE	100K	5%	1/10W	C1278	1-102-121-00	CERAMIC	0.0022MF	10%	50V
R1182	1-216-113-00	METAL GLAZE	470K	5%	1/10W	C1279	1-136-502-11	MYLAR	0.33MF	5%	50V
R1183	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C1280	1-126-967-11	ELECT	47MF	20%	16V
R1184	1-216-113-00	METAL GLAZE	470K	5%	1/10W	C1281	1-124-903-11	ELECT	1MF	20%	50V
R1185	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C1282	1-130-499-00	MYLAR	0.22MF	5%	50V
R1186	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	C1283	1-136-502-11	MYLAR	0.33MF	5%	50V
R1187	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	C1284	1-126-964-11	ELECT	10MF	20%	50V
R1188	1-216-097-91	METAL GLAZE	100K	5%	1/10W	C1285	1-130-493-00	MYLAR	0.068MF	5%	50V
R1193	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1286	1-136-165-00	FILM	0.1MF	5%	50V
R1194	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1287	1-126-963-11	ELECT	4.7MF	20%	50V
R1195	1-216-025-91	METAL GLAZE	100	5%	1/10W	C1289	1-126-967-11	ELECT	47MF	20%	50V
R1196	1-216-041-00	METAL GLAZE	470	5%	1/10W	C1290	1-128-550-11	ELECT	2200MF	20%	50V
R1197	1-216-041-00	METAL GLAZE	470	5%	1/10W	C1291	1-128-550-11	ELECT	2200MF	20%	50V
R1238	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C1292	1-126-964-11	ELECT	10MF	20%	50V
R1239	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C1293	1-104-665-11	ELECT	100MF	20%	25V
R1240	1-216-049-91	METAL GLAZE	1K	5%	1/10W	C1294	1-126-965-11	ELECT	22MF	20%	50V
						C1295	1-124-925-11	ELECT	2.2MF	20%	50V
						C1296	1-126-964-11	ELECT	10MF	20%	50V
						C1297	1-126-964-11	ELECT	10MF	20%	50V

<TERMINAL BOARD>

TB1101 1-537-712-11 TERMINAL, PUSH

<CONNECTOR>

* A-1380-523-A K BOARD, COMPLETE

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C1204	1-104-759-11	ELECT	470MF	20%	200V
C1205	1-104-759-11	ELECT	470MF	20%	200V
C1208	1-164-625-11	CERAMIC	680PF	10%	500V
C1209	1-164-625-11	CERAMIC	680PF	10%	500V
C1210	1-136-173-00	FILM	0.47MF	5%	50V
C1211	1-136-169-00	FILM	0.22MF	5%	50V
C1212	1-136-173-00	FILM	0.47MF	5%	50V
C1213	1-136-169-00	FILM	0.22MF	5%	50V
C1214	1-164-625-11	CERAMIC	680PF	10%	500V
C1215	1-129-719-00	FILM	0.027MF	5%	630V

C1230	1-136-153-00	FILM	0.01MF	5%	50V
C1231	1-128-548-11	ELECT	4700MF	20%	25V
C1232	1-128-548-11	ELECT	4700MF	20%	25V
C1233	1-136-153-00	FILM	0.01MF	5%	50V
C1234	1-126-965-11	ELECT	22MF	20%	50V

C1251	1-101-888-00	CERAMIC	68PF	5%	50V
C1252	1-102-971-00	CERAMIC	82PF	5%	50V
C1253	1-101-006-00	CERAMIC	0.047MF	5%	50V
C1254	1-102-127-00	CERAMIC	0.0068MF	10%	50V
C1255	1-102-978-00	CERAMIC	220PF	5%	50V

C1256	1-102-978-00	CERAMIC	220PF	5%	50V
C1257	1-104-665-11	ELECT	100MF	20%	25V
C1258	1-126-964-11	ELECT	10MF	20%	50V
C1259	1-124-903-11	ELECT	1MF	20%	50V
C1260	1-104-665-11	ELECT	100MF	20%	25V

C1261	1-104-665-11	ELECT	100MF	20%	25V
C1262	1-137-399-11	FILM	0.1MF	5%	50V
C1263	1-102-978-00	CERAMIC	220PF	5%	50V
C1266	1-101-002-00	CERAMIC	0.0022MF	5%	50V
C1267	1-126-967-11	ELECT	47MF	20%	16V

C1268	1-126-964-11	ELECT	10MF	20%	50V
C1270	1-126-964-11	ELECT	10MF	20%	50V

<DIODE>

D1201	8-719-052-84	DIODE LN4SB60
D1205	8-719-991-33	DIODE 1SS133T-77
D1207	8-719-991-33	DIODE 1SS133T-77
D1209	8-719-991-33	DIODE 1SS133T-77
D1211	8-719-991-33	DIODE 1SS133T-77
D1214	8-719-160-81	DIODE RD27FB2
D1215	8-719-160-81	DIODE RD27FB2
D1230	8-719-988-31	DIODE D10SC6MR
D1231	8-719-510-09	DIODE D10SC6M
D1232	8-719-991-33	DIODE 1SS133T-77

D1233	8-719-991-33	DIODE 1SS133T-77
D1234	8-719-110-60	DIODE RD24ESB
D1235	8-719-921-80	DIODE MTZJ-11B
D1251	8-719-991-33	DIODE 1SS133T-77
D1252	8-719-991-33	DIODE 1SS133T-77
D1253	8-719-991-33	DIODE 1SS133T-77
D1260	8-719-991-33	DIODE 1SS133T-77
D1261	8-719-991-33	DIODE 1SS133T-77
D1270	8-719-991-33	DIODE 1SS133T-77
D1271	8-719-991-33	DIODE 1SS133T-77
D1272	8-719-991-33	DIODE 1SS133T-77
D1273	8-719-924-11	DIODE MTZJ-T-77-22
D1274	8-719-924-11	DIODE MTZJ-T-77-22
D1275	8-719-991-33	DIODE 1SS133T-77
D1276	8-719-991-33	DIODE 1SS133T-77
D1277	8-719-991-33	DIODE 1SS133T-77
D1278	8-719-991-33	DIODE 1SS133T-77

<IC>

IC1230	8-759-420-19	IC AN1431T
IC1270	8-759-135-80	IC uPC358C
IC1271	8-759-135-80	IC uPC358C



Les composants identifiés par une trame et une marque **Δ** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **Δ** are critical for safety.
Replace only with part number specified.

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
IC1272	8-759-398-49	IC MM1124AD		R1259	1-247-863-91	CARBON	22K 5% 1/4W
IC1273	8-759-135-80	IC uPC358C		R1260	1-249-430-11	CARBON	12K 5% 1/4W
IC1274	8-759-072-99	IC TDA2052		R1261	1-247-807-31	CARBON	100 5% 1/4W
IC1275	8-759-905-71	IC NE571N		R1262	1-249-417-11	CARBON	1K 5% 1/4W
<COIL>				R1263	1-249-429-11	CARBON	10K 5% 1/4W
L1251	1-414-158-11	INDUCTOR 2.2UH		R1264	1-249-417-11	CARBON	1K 5% 1/4W
L1252	1-414-158-11	INDUCTOR 2.2UH		R1265	1-249-429-11	CARBON	10K 5% 1/4W
<TRANSISTOR>				R1266	1-249-429-11	CARBON	10K 5% 1/4W
Q1201	8-729-019-49	TRANSISTOR 2SC4834M		R1267	1-249-429-11	CARBON	10K 5% 1/4W
Q1202	8-729-019-49	TRANSISTOR 2SC4834M		R1268	1-247-863-91	CARBON	22K 5% 1/4W
Q1230	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1269	1-249-417-11	CARBON	1K 5% 1/4W
Q1231	8-729-230-45	TRANSISTOR 2SC2458-YGR		R1270	1-249-425-11	CARBON	4.7K 5% 1/4W
Q1232	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1271	1-249-425-11	CARBON	4.7K 5% 1/4W
Q1233	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1272	1-249-429-11	CARBON	10K 5% 1/4W
Q1260	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1273	1-249-429-11	CARBON	10K 5% 1/4W
Q1261	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1275	1-249-429-11	CARBON	10K 5% 1/4W
Q1262	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1276	1-249-429-11	CARBON	10K 5% 1/4W
Q1263	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1277	1-249-429-11	CARBON	10K 5% 1/4W
Q1270	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1279	1-249-437-11	CARBON	47K 5% 1/4W
Q1271	8-729-927-14	TRANSISTOR DTC323TS		R1280	1-249-416-11	CARBON	820 5% 1/4W
Q1272	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1281	1-249-437-11	CARBON	47K 5% 1/4W
Q1273	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1282	1-249-417-11	CARBON	1K 5% 1/4W
Q1274	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1283	1-247-863-91	CARBON	22K 5% 1/4W
Q1275	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1284	1-249-415-11	CARBON	680 5% 1/4W
Q1277	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1285	1-249-431-11	CARBON	15K 5% 1/4W
Q1278	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1286	1-249-421-11	CARBON	2.2K 5% 1/4W
Q1279	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1287	1-249-431-11	CARBON	15K 5% 1/4W
Q1280	8-729-119-76	TRANSISTOR 2SA1175-HFE		R1288	1-249-431-11	CARBON	15K 5% 1/4W
<RESISTOR>				R1289	1-249-429-11	CARBON	10K 5% 1/4W
R1204	1-247-891-00	CARBON	330K 5% 1/4W	R1290	1-216-357-00	METAL OXIDE	4.7 5% 1W F
R1205	1-247-891-00	CARBON	330K 5% 1/4W	R1291	1-247-863-91	CARBON	22K 5% 1/4W
R1206	1-202-933-61	FUSIBLE	0.1 10% 1/2W F	R1292	1-249-429-11	CARBON	10K 5% 1/4W
R1207	1-247-891-00	CARBON	330K 5% 1/4W	R1293	1-247-863-91	CARBON	22K 5% 1/4W
R1208	1-247-891-00	CARBON	330K 5% 1/4W	R1294	1-249-441-11	CARBON	100K 5% 1/4W
R1209	1-216-375-00	METAL OXIDE	3.3 5% 2W F	R1295	1-247-863-91	CARBON	22K 5% 1/4W
R1210	1-247-891-00	CARBON	330K 5% 1/4W	R1296	1-249-415-11	CARBON	680 5% 1/4W
R1211	1-247-891-00	CARBON	330K 5% 1/4W	R1297	1-249-425-11	CARBON	4.7K 5% 1/4W
R1212	1-216-375-00	METAL OXIDE	3.3 5% 2W F	R1298	1-249-411-11	CARBON	330 5% 1/4W
R1213	1-249-393-11	CARBON	10 5% 1/4W	R1299	1-249-429-11	CARBON	10K 5% 1/4W
R1214	1-249-393-11	CARBON	10 5% 1/4W	R1358	1-249-429-11	CARBON	10K 5% 1/4W
R1215	1-249-393-11	CARBON	10 5% 1/4W	R1360	1-249-441-11	CARBON	100K 5% 1/4W
R1230	1-249-393-11	CARBON	10 5% 1/4W F	R1361	1-247-887-00	CARBON	220K 5% 1/4W
R1231	1-247-807-31	CARBON	100 5% 1/4W	R1362	1-249-437-11	CARBON	47K 5% 1/4W
R1232	1-247-883-00	CARBON	150K 5% 1/4W	R1363	1-249-429-11	CARBON	10K 5% 1/4W
R1233	1-215-448-00	METAL	13K 1% 1/4W	R1364	1-259-880-11	CARBON	2.2M 5% 1/4W
R1234	1-249-417-11	CARBON	1K 5% 1/4W	R1365	1-249-441-11	CARBON	100K 5% 1/4W
R1235	1-215-428-00	METAL	2K 1% 1/4W	R1366	1-249-432-11	CARBON	18K 5% 1/4W
R1236	1-249-429-11	CARBON	10K 5% 1/4W	R1367	1-249-425-11	CARBON	4.7K 5% 1/4W
R1237	1-247-807-31	CARBON	100 5% 1/4W	R1368	1-249-410-11	CARBON	270 5% 1/4W
R1238	1-249-429-11	CARBON	10K 5% 1/4W	R1369	1-249-441-11	CARBON	100K 5% 1/4W
R1239	1-249-421-11	CARBON	2.2K 5% 1/4W	R1370	1-249-429-11	CARBON	10K 5% 1/4W
R1240	1-215-888-00	METAL OXIDE	220 5% 2W F	R1371	1-249-429-11	CARBON	10K 5% 1/4W
R1241	1-249-429-11	CARBON	10K 5% 1/4W	R1372	1-247-807-31	CARBON	100 5% 1/4W
R1242	1-249-425-11	CARBON	4.7K 5% 1/4W	R1373	1-249-413-11	CARBON	470 5% 1/4W
R1243	1-249-429-11	CARBON	10K 5% 1/4W	R1374	1-249-417-11	CARBON	1K 5% 1/4W
R1244	1-249-425-11	CARBON	4.7K 5% 1/4W	R1375	1-249-417-11	CARBON	1K 5% 1/4W
R1245	1-211-761-11	FUSIBLE	0.1 10% 1/2W	R1376	1-247-807-31	CARBON	100 5% 1/4W
R1248	1-211-761-11	FUSIBLE	0.1 10% 1/2W	R1377	1-249-417-11	CARBON	1K 5% 1/4W
R1250	1-249-437-11	CARBON	47K 5% 1/4W	R1378	1-249-417-11	CARBON	1K 5% 1/4W
R1252	1-249-429-11	CARBON	10K 5% 1/4W	R1379	1-249-427-11	CARBON	6.8K 5% 1/4W
R1244	1-249-425-11	CARBON	4.7K 5% 1/4W	R1380	1-249-427-11	CARBON	6.8K 5% 1/4W
R1245	1-211-761-11	FUSIBLE	0.1 10% 1/2W	R1381	1-249-429-11	CARBON	10K 5% 1/4W
R1248	1-211-761-11	FUSIBLE	0.1 10% 1/2W	R1382	1-249-429-11	CARBON	10K 5% 1/4W
R1250	1-249-437-11	CARBON	47K 5% 1/4W	R1383	1-249-429-11	CARBON	10K 5% 1/4W
R1254	1-249-437-11	CARBON	47K 5% 1/4W	<TRANSFORMER>			
R1255	1-249-437-11	CARBON	47K 5% 1/4W	T1202	1-249-289-11	TRANSFORMER, CONVERTER (PIT)	
R1256	1-249-437-11	CARBON	47K 5% 1/4W				
R1257	1-247-887-00	CARBON	220K 5% 1/4W				

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Ne les remplacer que par une pièce portant le numéro spécifié.

K **ZR** **ZG** **ZB**

REF. NO.	PART NO.	DESCRIPTION	REMARK
T1204	A-427-864-12	TRANSFORMER, CONVERTER (PRT)	

* A-1390-487-A ZR BOARD, COMPLETE

4-382-854-11 SCREW (M3X10), P, SW (+)

<CAPACITOR>

C1403	1-102-978-00	CERAMIC	220PF	5%	50V
C1404	1-107-638-11	ELECT	33MF	20%	160V
C1405	1-104-665-11	ELECT	100MF	20%	25V
C1406	1-107-370-11	FILM	0.1MF	10%	200V
C1407	1-104-665-11	ELECT	100MF	20%	25V
C1408	1-107-362-11	FILM	0.0047MF	10%	200V
C1409	1-107-667-11	ELECT	2.2MF	20%	160V
C1410	1-107-362-11	FILM	0.0047MF	10%	200V
C1411	1-137-364-11	FILM	0.001MF	5%	50V
C1412	1-137-364-11	FILM	0.001MF	5%	50V
C1413	1-161-830-00	CERAMIC	0.0047MF		500V
C1414	1-104-661-91	ELECT	330MF	20%	16V
C1415	1-102-947-00	CERAMIC	10PF	0.5PF	50V
C1416	1-102-973-00	CERAMIC	100PF	5%	50V

<CONNECTOR>

CN1411	* 1-580-689-11	PIN, CONNECTOR (PC BOARD) 4P
CN1412	* 1-564-507-11	PLUG, CONNECTOR 4P
CN1413	* 1-564-506-11	PLUG, CONNECTOR 3P
CN1414	* 1-564-509-11	PLUG, CONNECTOR 6P
CN1415	* 1-564-510-11	PLUG, CONNECTOR 7P

CN1416 1-695-915-11 TAB (CONTACT)

<DIODE>

D1401	8-719-921-86	DIODE MTZJ-13
D1402	8-719-921-86	DIODE MTZJ-13

<TRANSISTOR>

Q1401	8-729-017-06	TRANSISTOR 2SC4793
Q1402	8-729-017-05	TRANSISTOR 2SA1837
Q1403	8-729-140-96	TRANSISTOR 2SD774-34

<RESISTOR>

R1401	1-249-414-11	CARBON	560	5%	1/4W
R1402	1-249-414-11	CARBON	560	5%	1/4W
R1405	1-249-417-11	CARBON	1K	5%	1/4W
R1406	1-216-479-11	METAL OXIDE	560	5%	3W F
R1407	1-249-400-11	CARBON	39	5%	1/4W F
R1408	1-249-384-11	CARBON	1.8	5%	1/4W F
R1409	1-249-384-11	CARBON	1.8	5%	1/4W F
R1410	1-247-734-11	CARBON	39	5%	1/2W F
R1411	1-249-417-11	CARBON	1K	5%	1/4W F
R1412	1-249-414-11	CARBON	560	5%	1/4W
R1413	1-249-432-11	CARBON	18K	5%	1/4W
R1414	1-249-432-11	CARBON	18K	5%	1/4W
R1415	1-249-414-11	CARBON	560	5%	1/4W F
R1416	1-216-451-11	METAL OXIDE	120	5%	2W F
R1417	1-216-475-11	METAL OXIDE	120	5%	3W F
R1418	1-249-377-11	CARBON	0.47	5%	1/4W F
R1419	1-247-815-91	CARBON	220	5%	1/4W
R1420	1-216-475-11	METAL OXIDE	120	5%	3W F
R1421	1-249-417-11	CARBON	1K	5%	1/4W

REF. NO.	PART NO.	DESCRIPTION	REMARK
T1204	A-427-864-12	TRANSFORMER, CONVERTER (PRT)	

* A-1390-489-A ZG BOARD, COMPLETE

<CAPACITOR>

C1433 1-102-973-00 CERAMIC 100PF 5% 50V

<CONNECTOR>

CN1441 * 1-580-689-11 PIN, CONNECTOR (PC BOARD) 4P
CN1442 * 1-564-507-11 PLUG, CONNECTOR 4P
CN1443 * 1-564-506-11 PLUG, CONNECTOR 3P
CN1445 * 1-564-510-11 PLUG, CONNECTOR 7P

<RESISTOR>

R1431 1-249-414-11 CARBON 560 5% 1/4W
R1432 1-249-414-11 CARBON 560 5% 1/4W
R1435 1-216-475-11 METAL OXIDE 120 5% 3W F
R1436 1-216-475-11 METAL OXIDE 120 5% 3W F
R1437 1-249-417-11 CARBON 1K 5% 1/4W

* A-1390-491-A ZB BOARD, COMPLETE

<CONNECTOR>

CN1471 * 1-580-689-11 PIN, CONNECTOR (PC BOARD) 4P
CN1472 * 1-564-507-11 PLUG, CONNECTOR 4P
CN1473 * 1-564-506-11 PLUG, CONNECTOR 3P

<RESISTOR>

R1461 1-249-414-11 CARBON 560 5% 1/4W
R1462 1-249-414-11 CARBON 560 5% 1/4W
R1465 1-216-475-11 METAL OXIDE 120 5% 3W F
R1466 1-216-475-11 METAL OXIDE 120 5% 3W F

MISCELLANEOUS

Δ 1-223-925-11	RESISTOR ASSY (HIGH-VOLTAGE)
1-417-178-11	SELECTOR, ANTENNA (AS-2)
Δ 1-452-790-11	NECK ASSY
Δ 1-452-790-21	NECK ASSY
1-504-785-11	SPEAKER (10CM) (KP-61V35)
1-505-377-11	SPEAKER (13CM)
1-505-378-11	SPEAKER (10CM) (KV-46V35/53V35)
1-556-945-21	CABLE, P-P
* 1-557-056-41	CABLE, P-P
Δ 1-769-837-11	CORD, POWER (WITH NOISE FILTER) (7.0A/125V)
Δ 1-900-211-34	LEAD ASSY, HV
Δ 8-451-463-11	DEFLECTION YOKE Y829PA2N(R),(G)
Δ 8-451-463-21	DEFLECTION YOKE Y829PA2N(B)
Δ 8-598-955-10	BLOCK ASSY, HIGH-VOLTAGE
Δ 8-736-075-05	PICTURE TUBE 07MAC2(G)
Δ 8-736-076-15	PICTURE TUBE 07MAC2(B) (KP-46V35)
Δ 8-736-076-25	PICTURE TUBE 07MAC3(B) (KP-53V35/61V35)
Δ 8-736-077-15	PICTURE TUBE 07MAC2(R) (KP-46V35)
Δ 8-736-077-25	PICTURE TUBE 07MAC3(R) (KP-53V35/61V35)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
	8-741-797-01	FILTER, DIGITAL COM SBX1797-01			* 4-048-087-01	CUSHION (UPPER) (ASSY) (KP-53V35)	

		ACCESSORIES AND PACKING MATERIALS		* 4-048-088-01	CUSHION (LOWER) (ASSY) (KP-53V35)		
*****				4-048-634-01	SHAFT		
		3-701-627-00	BAG, POLYETHYLENE	4-048-790-01	GLASS (53), DOOR (KP-46V35/53V35)		
		3-856-609-11	MANUAL, INSTRUCTION				
		3-856-609-21	MANUAL, INSTRUCTION (Canadian model)	4-048-791-01	GLASS (61), DOOR (KP-61V35)		
		4-036-901-01	SCREW	* 4-049-023-01	BOARD, BOTTOM (KP-53V35)		
		* 4-037-674-01	BOARD, TOP (KP-46V35)	* 4-049-024-01	TRAY (KP-53V35)		
		4-038-384-01	CATCHER, MAGNET	* 4-049-031-01	INDIVIDUAL CARTON (KP-53V35)		
		4-038-385-01	SPACER	* 4-049-193-01	BAG, POLYETHYLENE		
		4-039-009-02	CUSHION, GLASS				
		* 4-041-426-01	BAG, PROTECTION (KP-46V35/53V35)	* 4-049-276-01	SHEET, PROTECTION (KP-46V35)		
		* 4-042-463-01	SHEET, PROTECTION (KP-53V35/61V35)	* 4-049-508-01	CUSHION (FRONT) (ASSY) (KP-53V35)		
		* 4-047-553-01	INDIVIDUAL CARTON (KP-61V35)	* 4-049-922-01	BLOCK, FOAM (KP-61V35)		
		* 4-047-554-01	TRAY (KP-61V35)	* 4-049-923-01	CUSHION (UPPER) (ASSY) (KP-46V35)		
		* 4-047-555-01	PLATE, TOP (KP-61V35)	* 4-049-952-01	BAG, PROTECTION (KP-61V35)		
		* 4-047-556-01	BOARD, BOTTOM (KP-61V35)				
		* 4-047-557-01	CUSHION (UPPER) (ASSY) (KP-61V35)	7-682-576-04	SCREW +B 5X12		
		* 4-047-558-01	CUSHION (LOWER) (ASSY) (KP-61V35)	7-684-025-04	N 5, TYPE 2		
		* 4-047-559-01	CUSHION (LEFT UPPER) (KP-61V35)	7-685-661-79	SCREW +BVTP 4X12 TYPE2 IT-3		
		* 4-047-560-01	CUSHION (RIGHT UPPER) (KP-61V35)	X-4033-663-1	DOOR ASSY, RACK (KP-61V35)		
		* 4-047-561-01	CUSHION (LEFT LOWER) (KP-61V35)	X-4033-667-1	DOOR (L) ASSY, RACK (KP-46V35/53V35)		
		* 4-047-562-01	CUSHION (RIGHT LOWER) (KP-61V35)	X-4033-668-1	DOOR (R) ASSY, RACK (KP-46V35/53V35)		
		* 4-047-603-01	CUSHION (UPPER) (ASSY) (KP-46V35)				
		* 4-047-604-01	CUSHION (LOWER) (ASSY) (KP-46V35)				
		* 4-047-606-01	TRAY (KP-46V35)				
		* 4-047-607-01	BOARD, BOTTOM (KP-46V35)				
		* 4-047-608-01	INDIVIDUAL CARTON (KP-46V35)				
		* 4-047-774-01	PLATE, TOP (KP-53V35)				

REMOTE COMMANDER							

8-917-534-90 REMOTE COMMANDER (RM-Y137//M)							
4-978-977-01 POCKET, COVER (FOR RM-Y137)							